

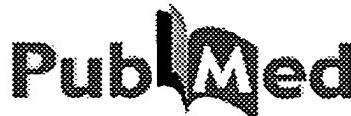
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A new aspartyl protease on 21q22.3, BACE2, is highly similar to Alzheimer's amyloid precursor protein beta-secretase.

Solans A, Estivill X, de La Luna S.

Down Syndrome Research Group, Medical and Molecular Genetics Center, IRO, Hospital Duran i Reynals, Barcelona, Spain.

Down syndrome individuals develop abnormalities of most organs, including all the pathological and neurochemical features of Alzheimer's disease, by the early age of 30 yr. Here, we report the isolation and characterization of BACE2, a gene mapping on human chromosome 21q22.3, which is highly similar to a transmembrane aspartyl protease, BACE (for beta-site APP-cleaving enzyme), which is able to catalyze the beta-secretase cleavage of Alzheimer's amyloid precursor protein (APP). BACE2 is expressed in a wide variety of organs and tissues, with several transcripts due to alternative splicing and the use of two polyadenylation signals. The BACE2 gene product is a 518 amino acid protein with the signature of an aspartic protease, a 20-residue signal peptide, and two putative N-glycosylation sites. In addition, and similarly to BACE, BACE2 differs from the other members of the human aspartic protease family in the number and distribution of putative disulfide bonds and in the presence of an extended C-terminal region which contains a predicted transmembrane segment. BACE2 could be involved in the Alzheimer-like neuropathology of Down syndrome, as well as in Alzheimer's disease linked to chromosome 21 but not showing mutations in APP.

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Regulation of APP cleavage by alpha-, beta- and gamma-secretases.

Nunan J, Small DH.

Laboratory of Molecular Neurobiology, Department of Pathology, University of Melbourne, 3010, Melbourne, Vic., Australia.

Proteolytic cleavage of the amyloid protein from the amyloid protein precursor (APP) by APP secretases is a key event in Alzheimer's disease (AD) pathogenesis. alpha-Secretases cleave APP within the amyloid sequences, whereas beta- and gamma-secretases cleave on the N- and C-terminal ends respectively. The transmembrane aspartyl protease BACE has been identified as beta-secretase and several proteases (ADAM-10, TACE, PC7) may be alpha-secretases. A number of studies have suggested that presenilins could be gamma-secretases, although this remains to be demonstrated conclusively. Inhibition of beta- and gamma-secretase, or stimulation of alpha-secretase, is a rational strategy for therapeutic intervention in AD.

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Specificity of memapsin 1 and its implications on the design of memapsin 2 (beta-secretase) inhibitor selectivity.

Turner RT 3rd, Loy JA, Nguyen C, Devasamudram T, Ghosh AK, Koelsch G, Tang J.

Protein Studies Program, Oklahoma Medical Research Foundation and Department of Biochemistry and Molecular Biology, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma 73104, USA.

Memapsin 1 is closely homologous to memapsin 2 (BACE), or beta-secretase, whose action on beta-amyloid precursor protein (APP) leads to the production of beta-amyloid (A_β) peptide and the progression of Alzheimer's disease. Memapsin 2 is a current target for the development of inhibitor drugs to treat Alzheimer's disease. Although memapsin 1 hydrolyzes the beta-secretase site of APP, it is not significantly present in the brain, and no direct evidence links it to Alzheimer's disease. We report here the residue specificity of eight memapsin 1 subsites. In substrate positions P(4), P(3), P(2), P(1), P(1)', P(2)', P(3)', and P(4)', the most preferred residues are Glu, Leu, Asn, Phe, Met, Ile, Phe, and Trp, respectively, while the second preferred residues are Gln, Ile, Asp, Leu, Leu, Val, Trp, and Phe, respectively. Other less preferred residues can also be accommodated in these subsites of memapsin 1. Despite the broad specificity, these residue preferences are strikingly similar to those of human memapsin 2 [Turner et al. (2001) Biochemistry 40, 10001-10006] and thus pose a serious problem to the design of differentially selective inhibitors capable of inhibiting memapsin 2. This difficulty was confirmed by the finding that several potent memapsin 2 inhibitors effectively inhibited memapsin 1 as well. Several possible approaches to overcome this problem are discussed.

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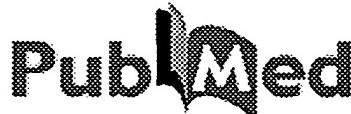
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Labeling of cerebral amyloid in vivo with a monoclonal antibody.

Walker LC, Price DL, Voytko ML, Schenk DB.

Department of Pathology, Johns Hopkins University School of Medicine, Baltimore, MD 21205-2196.

We assessed the ability of a murine monoclonal antibody to bind selectively to beta-amyloid in the brains of living nonhuman primates. To circumvent the blood-brain barrier, we injected unlabeled antibody 10D5 (murine whole IgG1 and/or Fab fragments) into the cerebrospinal fluid of the cisterna magna in three aged monkeys. A control animal was given an intracisternal injection of nonimmune mouse whole IgG plus Fab. Twenty-four hours later, the animals were perfused and prepared for immunohistochemical detection of bound murine immunoglobulin in brain. All three experimental animals showed selective binding of 10D5 to approximately 5-15% of amyloid deposits in cerebral cortex, primarily near the cortical surface. There was no labeling in the control animal. In vivo-labeled deposits were confirmed to be beta-amyloid by electron microscopy and by in vitro immunohistochemistry in adjacent sections. The animals tolerated the injection well, although some polymorphonuclear leukocytes infiltrated portions of the subarachnoid space and superficial neocortex. These results provide the first demonstration that it may be feasible to selectively direct a tagged monoclonal antibody to beta-amyloid in the brain for therapeutic or diagnostic purposes. With enhancement of labeling efficiency, the method also may be useful for studying the progression of beta-amyloidosis in experimental animals using emission tomography.

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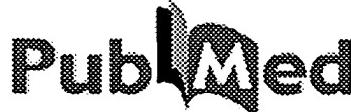
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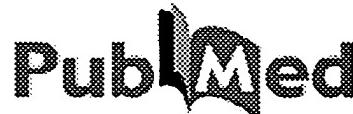
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Levels of alpha- and beta-secretase cleaved amyloid precursor protein in the cerebrospinal fluid of Alzheimer's disease patients.

Sennvik K, Fastbom J, Blomberg M, Wahlund LO, Winblad B, Benedikz E.

Division of Geriatric Medicine, Karolinska Institute, NEUROTEC, KFC NOVUM, Huddinge, Sweden.

Alternative cleavage of the amyloid precursor protein (APP) results in generation and secretion of both soluble APP (sAPP) and beta-amyloid (Abeta). Abeta is the main component of the amyloid depositions in the brains of Alzheimer's disease (AD) patients. Using Western blotting, we compared the levels of alpha-secretase cleaved sAPP, beta-secretase cleaved sAPP and total sAPP, in cerebrospinal fluid (CSF) from 13 sporadic AD patients and 13 healthy controls. Our findings show significant amounts of beta-secretase cleaved sAPP in CSF. There was no statistically significant difference in the levels of beta-secretase cleaved sAPP between AD patients and controls. The levels of alpha-secretase cleaved sAPP and total sAPP were, however, found to be significantly lower in the AD patients than in the controls.

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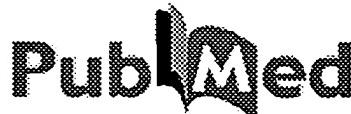
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Human aspartic protease memapsin 2 cleaves the beta-secretase site of beta-amyloid precursor protein.

Lin X, Koelsch G, Wu S, Downs D, Dashti A, Tang J.

Protein Studies Program, Oklahoma Medical Research Foundation, and Department of Biochemistry, University of Oklahoma Health Sciences Center, Oklahoma City, OK 73104, USA.

The cDNAs of two new human membrane-associated aspartic proteases, memapsin 1 and memapsin 2, have been cloned and sequenced. The deduced amino acid sequences show that each contains the typical pre, pro, and aspartic protease regions, but each also has a C-terminal extension of over 80 residues, which includes a single transmembrane domain and a C-terminal cytosolic domain. Memapsin 2 mRNA is abundant in human brain. The protease domain of memapsin 2 cDNA was expressed in Escherichia coli and was purified. Recombinant memapsin 2 specifically hydrolyzed peptides derived from the beta-secretase site of both the wild-type and Swedish mutant beta-amyloid precursor protein (APP) with over 60-fold increase of catalytic efficiency for the latter. Expression of APP and memapsin 2 in HeLa cells showed that memapsin 2 cleaved the beta-secretase site of APP intracellularly. These and other results suggest that memapsin 2 fits all of the criteria of beta-secretase, which catalyzes the rate-limiting step of the *in vivo* production of the beta-amyloid (Abeta) peptide leading to the progression of Alzheimer's disease. Recombinant memapsin 2 also cleaved a peptide derived from the processing site of presenilin 1, albeit with poor kinetic efficiency. Alignment of cleavage site sequences of peptides indicates that the specificity of memapsin 2 resides mainly at the S(1)' subsite, which prefers small side chains such as Ala, Ser, and Asp.

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Cellular and molecular basis of beta-amyloid precursor protein metabolism.

Greenfield JP, Gross RS, Gouras GK, Xu H.

Fisher Center for Alzheimer Research and Laboratory of Molecular and Cellular Neuroscience, The Rockefeller University, New York NY 10021, USA.

In molecular neurobiology, perhaps no molecule has been as thoroughly examined as Alzheimer's beta-amyloid precursor protein (beta-APP). In the years since the cDNA encoding beta-APP was cloned, the protein has been the subject of unparalleled scrutiny on all levels. From molecular genetics and cellular biology to neuroanatomy and epidemiology, no scientific discipline has been left unexplored - and with good reason. beta-amyloid (Abeta) is the main constituent of the amyloidogenic plaques which are a primary pathological hallmark of Alzheimer's disease, and bta-APP is the protein from which Abeta is cleaved and released. Unraveling the molecular events underlying Abeta generation has been, and remains, of paramount importance to scientists in our field. In this review we will trace the progress that has been made in understanding the molecular and cellular basis of beta-APP trafficking and processing, or alternatively stated, the molecular basis for Abeta generation. Imperative to a complete understanding of Abeta generation is the delineation of its subcellular localization and the identification of proteins that play either direct or accessory roles in Abeta generation. We will focus on the regulation of beta-APP cleavage through diverse signal transduction mechanisms and discuss possible points of therapeutic intercession in what has been postulated to be a seminal molecular step in the cascade of events terminating in the onset of dementia, loss of neurons, and eventual death from Alzheimer's disease.

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Cellular and molecular basis of beta-amyloid precursor protein metabolism.

Greenfield JP, Gross RS, Gouras GK, Xu H.

Fisher Center for Alzheimer Research and Laboratory of Molecular and Cellular Neuroscience, The Rockefeller University, New York NY 10021, USA.

In molecular neurobiology, perhaps no molecule has been as thoroughly examined as Alzheimer's beta-amyloid precursor protein (beta-APP). In the years since the cDNA encoding beta-APP was cloned, the protein has been the subject of unparalleled scrutiny on all levels. From molecular genetics and cellular biology to neuroanatomy and epidemiology, no scientific discipline has been left unexplored - and with good reason. beta-amyloid (Abeta) is the main constituent of the amyloidogenic plaques which are a primary pathological hallmark of Alzheimer's disease, and beta-APP is the protein from which Abeta is cleaved and released. Unraveling the molecular events underlying Abeta generation has been, and remains, of paramount importance to scientists in our field. In this review we will trace the progress that has been made in understanding the molecular and cellular basis of beta-APP trafficking and processing, or alternatively stated, the molecular basis for Abeta generation. Imperative to a complete understanding of Abeta generation is the delineation of its subcellular localization and the identification of proteins that play either direct or accessory roles in Abeta generation. We will focus on the regulation of beta-APP cleavage through diverse signal transduction mechanisms and discuss possible points of therapeutic intercession in what has been postulated to be a seminal molecular step in the cascade of events terminating in the onset of dementia, loss of neurons, and eventual death from Alzheimer's disease.

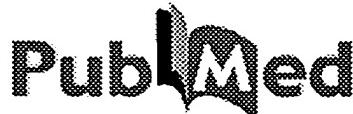
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Modeling of substrate specificity of the Alzheimer's disease amyloid precursor protein beta-secretase.

Sauder JM, Arthur JW, Dunbrack RL Jr.

Fox Chase Cancer Center, Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, PA 19111, USA.

The enzyme BACE (beta-site APP-cleaving enzyme) has recently been identified as the beta-secretase that cleaves the amyloid precursor protein (APP) to produce the N terminus of the Abeta peptide found in plaques in the brains of Alzheimer's disease patients. BACE is an aspartic protease similar to pepsin and renin. Comparative modeling of the three-dimensional structure of BACE in complex with its substrate shows that several residues confer specificity of the enzyme for APP. In particular, Arg296 forms a salt-bridge with the P1' Asp of the APP substrate, explaining the unusual preference of BACE among aspartic proteases for a P1' residue that is negatively charged. Several hydrophobic residues in the enzyme form a pocket for the P1 hydrophobic residue (Met in wild-type APP and Leu in APP with the "Swedish mutation" associated with early-onset of Alzheimer's disease). Inhibitors that can bind to the BACE active site may prove useful for drugs to treat and prevent Alzheimer's disease. Copyright 2000 Academic Press.

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Maturation and endosomal targeting of beta-site amyloid precursor protein-cleaving enzyme. The Alzheimer's disease beta-secretase.

Huse JT, Pijak DS, Leslie GJ, Lee VM, Doms RW.

Department of Pathology and Laboratory Medicine, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania 19104, USA.

The amyloidogenic Abeta peptide is liberated from the amyloid precursor protein (APP) by two proteolytic activities, beta-secretase and gamma-secretase. Recently, a type I membrane protein termed BACE (beta-site APP cleaving enzyme) with characteristics of an aspartyl protease has been identified as the beta-secretase. We undertook a series of biochemical and morphological investigations designed to characterize the basic properties of this protein. Initial studies indicated that BACE undergoes N-linked glycosylation at three of four potential sites. Metabolic pulse-chase experiments revealed that after core glycosylation, BACE is rapidly and efficiently transported to the Golgi apparatus and distal secretory pathway. BACE was also found to be quite stable, being turned over with a t_{1/2} of approximately 16 h. Retention of BACE in the endoplasmic reticulum by introduction of a C-terminal dilysine motif prevented complex carbohydrate processing and demonstrated that propeptide cleavage occurs after exit from this organelle. BACE exhibited intramolecular disulfide bonding but did not form oligomeric structures by standard SDS-polyacrylamide gel electrophoresis analysis and sedimented as a monomer in sucrose velocity gradients. Immunofluorescence studies showed a largely vesicular staining pattern for BACE that colocalized well with endosomal, but not lysosomal, markers. Measurable levels of BACE were also detected on the plasma membrane by both immunostaining and cell surface biotinylation, and cycling of the protein between the cell membrane and the endosomes was documented. A cytoplasmic dileucine motif was found to be necessary for normal targeting of BACE to the endosomal system and accumulation of the protein in this intracellular site.

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Beta-secretase cleavage of Alzheimer's amyloid precursor protein by the transmembrane aspartic protease BACE.

Vassar R, Bennett BD, Babu-Khan S, Kahn S, Mendiaz EA, Denis P, Teplow DB, Ross S, Amarante P, Loeloff R, Luo Y, Fisher S, Fuller J, Edenson S, Lile J, Jarosinski MA, Biere AL, Curran E, Burgess T, Louis JC, Collins F, Treanor J, Rogers G, Citron M.

Amgen, Inc., One Amgen Center Drive, M/S 29-2-B, Thousand Oaks, CA 91320-1799, USA.

Cerebral deposition of amyloid beta peptide (Abeta) is an early and critical feature of Alzheimer's disease. Abeta generation depends on proteolytic cleavage of the amyloid precursor protein (APP) by two unknown proteases: beta-secretase and gamma-secretase. These proteases are prime therapeutic targets. A transmembrane aspartic protease with all the known characteristics of beta-secretase was cloned and characterized. Overexpression of this protease, termed BACE (for beta-site APP-cleaving enzyme) increased the amount of beta-secretase cleavage products, and these were cleaved exactly and only at known beta-secretase positions. Antisense inhibition of endogenous BACE messenger RNA decreased the amount of beta-secretase cleavage products, and purified BACE protein cleaved APP-derived substrates with the same sequence specificity as beta-secretase. Finally, the expression pattern and subcellular localization of BACE were consistent with that expected for beta-secretase. Future development of BACE inhibitors may prove beneficial for the treatment of Alzheimer's disease.

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Identification of a novel aspartic protease (Asp 2) as beta-secretase.

Hussain I, Powell D, Howlett DR, Tew DG, Meek TD, Chapman C, Gloger IS, Murphy KE, Southan CD, Ryan DM, Smith TS, Simmons DL, Walsh FS, Dingwall C, Christie G.

Department of Neurosciences, SmithKline Beecham Pharmaceuticals, Harlow, Essex, United Kingdom.

The Alzheimer's disease beta-amyloid peptide (Abeta) is produced by excision from the type 1 integral membrane glycoprotein amyloid precursor protein (APP) by the sequential actions of beta- and then gamma-secretases. Here we report that Asp 2, a novel transmembrane aspartic protease, has the key activities expected of beta-secretase. Transient expression of Asp 2 in cells expressing APP causes an increase in the secretion of the N-terminal fragment of APP and an increase in the cell-associated C-terminal beta-secretase APP fragment. Mutation of either of the putative catalytic aspartyl residues in Asp 2 abrogates the production of the fragments characteristic of cleavage at the beta-secretase site. The enzyme is present in normal and Alzheimer's disease (AD) brain and is also found in cell lines known to produce Abeta. Asp 2 localizes to the Golgi/endoplasmic reticulum in transfected cells and shows clear colocalization with APP in cells stably expressing the 751-amino-acid isoform of APP.

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nature**Membrane-anchored aspartyl protease with Alzheimer's disease beta-secretase activity.**

Yan R, Bienkowski MJ, Shuck ME, Miao H, Tory MC, Pauley AM, Brashier JR, Stratman NC, Mathews WR, Buhl AE, Carter DB, Tomasselli AG, Parodi LA, Heinrikson RL, Gurney ME.

Cell & Molecular Biology, Pharmacia & Upjohn, Inc., Kalamazoo, MI 49007, USA. riqiang.yan@am.pnu.com

Mutations in the gene encoding the amyloid protein precursor (APP) cause autosomal dominant Alzheimer's disease. Cleavage of APP by unidentified proteases, referred to as beta- and gamma-secretases, generates the amyloid beta-peptide, the main component of the amyloid plaques found in Alzheimer's disease patients. The disease-causing mutations flank the protease cleavage sites in APP and facilitate its cleavage. Here we identify a new membrane-bound aspartyl protease (Asp2) with beta-secretase activity. The Asp2 gene is expressed widely in brain and other tissues. Decreasing the expression of Asp2 in cells reduces amyloid beta-peptide production and blocks the accumulation of the carboxy-terminal APP fragment that is created by beta-secretase cleavage. Solubilized Asp2 protein cleaves a synthetic APP peptide substrate at the beta-secretase site, and the rate of cleavage is increased tenfold by a mutation associated with early-onset Alzheimer's disease in Sweden. Thus, Asp2 is a new protein target for drugs that are designed to block the production of amyloid beta-peptide peptide and the consequent formation of amyloid plaque in Alzheimer's disease.

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nature**Purification and cloning of amyloid precursor protein beta-secretase from human brain.**

Sinha S, Anderson JP, Barbour R, Basi GS, Caccavello R, Davis D, Doan M, Dovey HF, Frigon N, Hong J, Jacobson-Croak K, Jewett N, Keim P, Knops J, Lieberburg I, Power M, Tan H, Tatsuno G, Tung J, Schenk D, Seubert P, Suomensaari SM, Wang S, Walker D, John V, et al.

Elan Pharmaceuticals, South San Francisco, California 94080, USA.
ssinha@elanpharma.com

Proteolytic processing of the amyloid precursor protein (APP) generates amyloid beta (Abeta) peptide, which is thought to be causal for the pathology and subsequent cognitive decline in Alzheimer's disease. Cleavage by beta-secretase at the amino terminus of the Abeta peptide sequence, between residues 671 and 672 of APP, leads to the generation and extracellular release of beta-cleaved soluble APP, and a corresponding cell-associated carboxy-terminal fragment. Cleavage of the C-terminal fragment by gamma-secretase(s) leads to the formation of Abeta. The pathogenic mutation K670M671->N670L671 at the beta-secretase cleavage site in APP, which was discovered in a Swedish family with familial Alzheimer's disease, leads to increased beta-secretase cleavage of the mutant substrate. Here we describe a membrane-bound enzyme activity that cleaves full-length APP at the beta-secretase cleavage site, and find it to be the predominant beta-cleavage activity in human brain. We have purified this enzyme activity to homogeneity from human brain using a new substrate analogue inhibitor of the enzyme activity, and show that the purified enzyme has all the properties predicted for beta-secretase. Cloning and expression of the enzyme reveals that human brain beta-secretase is a new membrane-bound aspartic proteinase.

PMID: 10591214 [PubMed - indexed for MEDLINE]



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Characterization of Alzheimer's beta -secretase protein BACE. A pepsin family member with unusual properties.

Haniu M, Denis P, Young Y, Mendiaz EA, Fuller J, Hui JO, Bennett BD, Kahn S, Ross S, Burgess T, Katta V, Rogers G, Vassar R, Citron M.

Amgen Inc., Thousand Oaks, California 91320-1799, USA.

mhaniu@amgen.com

The cerebral deposition of amyloid beta-peptide is an early and critical feature of Alzheimer's disease. Amyloid beta-peptide is released from the amyloid precursor protein by the sequential action of two proteases, beta-secretase and gamma-secretase, and these proteases are prime targets for therapeutic intervention. We have recently cloned a novel aspartic protease, BACE, with all the known properties of beta-secretase. Here we demonstrate that BACE is an N-glycosylated integral membrane protein that undergoes constitutive N-terminal processing in the Golgi apparatus. We have used a secreted Fc fusion-form of BACE (BACE-IgG) that contains the entire ectodomain for a detailed analysis of posttranslational modifications. This molecule starts at Glu(46) and contains four N-glycosylation sites (Asn(153), Asn(172), Asn(223), and Asn(354)). The six Cys residues in the ectodomain form three intramolecular disulfide linkages (Cys(216)-Cys(420), Cys(278)-Cys(443), and Cys(330)-Cys(380)). Despite the conservation of the active site residues and the 30-37% amino acid homology with known aspartic proteases, the disulfide motif is fundamentally different from that of other aspartic proteases. This difference may affect the substrate specificity of the enzyme. Taken together, both the presence of a transmembrane domain and the unusual disulfide bond structure lead us to conclude that BACE is an atypical pepsin family member.

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Expression analysis of BACE2 in brain and peripheral tissues.

Bennett BD, Babu-Khan S, Loeloff R, Louis JC, Curran E, Citron M, Vassar R.

Amgen, Inc., Thousand Oaks, California 91320-1799, USA.

Beta-site amyloid precursor protein cleaving enzyme (BACE) is a novel transmembrane aspartic protease that possesses all the known characteristics of the beta-secretase involved in Alzheimer's disease (Vassar, R., Bennett, B. D., Babu-Khan, S., Kahn, S., Mendiaz, E. A., Denis, P., Teplow, D. B., Ross, S., Amarante, P., Loeloff, R., Luo, Y., Fisher, S., Fuller, J., Edenson, S., Lile, J., Jarosinski, M. A., Biere, A. L., Curran, E., Burgess, T., Louis, J. -C., Collins, F., Treanor, J., Rogers, G., and Citron, M. (1999) Science 286, 735-741). We have analyzed the sequence and expression pattern of a BACE homolog termed BACE2. BACE and BACE2 are unique among aspartic proteases in that they possess a carboxyl-terminal extension with a predicted transmembrane region and together they define a new family. Northern analysis reveals that BACE2 mRNA is expressed at low levels in most human peripheral tissues and at higher levels in colon, kidney, pancreas, placenta, prostate, stomach, and trachea. Human adult and fetal whole brain and most adult brain subregions express very low or undetectable levels of BACE2 mRNA. In addition, *in situ* hybridization of adult rat brain shows that BACE2 mRNA is expressed at very low levels in most brain regions. The very low or undetectable levels of BACE2 mRNA in the brain are not consistent with the expression pattern predicted for beta-secretase.

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1: Biochem Biophys Res Commun. 2000 Feb 5;268(1):133-5. Related Articles, Links

Inhibitors of beta-amyloid formation based on the beta-secretase cleavage site.

Abbenante G, Kovacs DM, Leung DL, Craik DJ, Tanzi RE, Fairlie DP.

Centre for Drug Design and Development, University of Queensland, Brisbane, Queensland, 4072, Australia.

A series of inhibitors of beta-amyloid formation have been developed based on the beta-secretase cleavage site (VNL-DA) of the Swedish mutant Amyloid Precursor Protein. A simple tripeptide aldehyde was found to be the most potent ($IC_{50} = 700 \text{ nM}$) in the series displaying an inhibitory profile which is different from reported inhibitors of beta-amyloid formation. Copyright 2000 Academic Press.

PMID: 10652226 [PubMed - indexed for MEDLINE]

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Identification of beta-secretase-like activity using a mass spectrometry-based assay system.

Gruninger-Leitch F, Berndt P, Langen H, Nelboeck P, Dobeli H.

CNS Research, Hoffmann-La Roche Ltd, Grenzacherstrasse 124, CH-4070 Basel, Switzerland.

We describe an assay system for the identification of site-specific proteases. The assay is based on a protein substrate that is immobilized on ceramic beads. After incubation with cell homogenates, the beads are washed and digested with endoproteinase Lys-C to liberate a defined set of peptides. The peptide fragments are identified by mass spectrometry. The assay was used to screen for beta-secretase, the protease that cleaves amyloid precursor protein (APP) at the beta-site. Cathepsin D was identified as the enzyme responsible for beta-secretase-like activity in two cell lines. Subsequent analysis of the related aspartic protease, cathepsin E, revealed almost identical cleavage specificity. Both enzymes are efficient in cleaving Swedish mutant APP at the beta-site but show almost no reactivity with wild-type APP. Treatment of cell lines with pepstatin inhibited the production of amyloid peptide (Abeta) when they were transfected with a construct bearing the Swedish APP mutant. However, when the cells were transfected with wild-type APP, the generation of Abeta was increased. This suggests that more than one enzyme is capable of generating Abeta in vivo and that an aspartic protease is involved in the processing of Swedish mutant APP.

PMID: 10625394 [PubMed - indexed for MEDLINE]

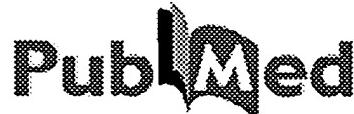
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Four companies announce discovery of beta-secretase gene.

Phimister B.

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TI Exploring presenilin function in baculovirus-infected insect cells.

AU Karmilowicz, M. J. [Reprint author]; Martin, B. A.; Wood, D. E.; Cook, J.
M.; Liston, D. R.; Sahagan, B. G.; Auperin, D. D.

CS Pfizer Central Research, Groton, CT, USA

SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
No.-277.3. print.

Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.

ISSN: 0190-5295.

DT Conference; (Meeting)

Conference; Abstract; (Meeting Abstract)

LA English
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 DN 135:165810
 TI Costimulatory Effects of Interferon-.gamma. and Interleukin-1.beta. or
 Tumor Necrosis Factor .alpha. on the synthesis of A.beta.1-40 and
 A.beta.1-42 by human astrocytes
 AU Blasko, I.; Veerhuis, R.; Stampfer-Kountchev, M.; Saurwein-Teissl, M.;
 Eikelenboom, P.; Grubbeck-Loebenstein, B.
 CS Institute for Biomedical Aging Research of the Austrian Academy of
 Sciences, Innsbruck, Austria
 SO Neurobiology of Disease (***2000***), 7(6), 682-689
 CODEN: NUDIEM; ISSN: 0969-9961
 PB Academic Press
 DT Journal
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 TI ***Beta*** - ***secretase*** and methods for screening for
 beta - ***secretase*** inhibitors useful for treatment of
 cerebrovascular amyloidosis
 IN Anderson, John P.; Basi, Guriqbal; Doane, Minh Tam; Frigon, Normand; John,
 Varghese; Power, Michael; Sinha, Sukanto; Tatsuno, Gwen; Tung, Jay; Wang,
 Shuwen; Mcconlogue, Lisa
 PA Elan Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 121 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

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	WO 2000047618	A3	20010907		
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DN 134:84487
 TI Confirmation of the association between bleomycin hydrolase genotype and
 Alzheimer's disease
 AU Papassotiropoulos, A.; Bagli, M.; Jessen, F.; Frahnert, C.; Rao, M. L.;
 Maier, W.; Heun, R.
 CS Department of Psychiatry, University of Bonn, Bonn, 53105, Germany
 SO Molecular Psychiatry (***2000***), 5(2), 213-215
 CODEN: MOPSFQ; ISSN: 1359-4184

PB Nature Publishing Group

DT Journal

LA English

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AN 2000:371809 CAPLUS

DN 134:54603

TI Caveolin and brain pathology in Alzheimer's disease

AU Okamoto, Takashi

CS Brain Sci. Inst., RIKEN, Japan

SO Dementia Japan (***2000***), 14(1), 140-149

CODEN: DEJAFB; ISSN: 1342-646X

PB Nippon Chiho Gakkai

DT Journal; General Review

LA Japanese

L4 ANSWER 6 OF 116 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:143008 CAPLUS

DN 126:155665

TI Increased activity-regulating and neuroprotective efficacy of .alpha.-secretase-derived secreted amyloid precursor protein conferred by a c-terminal heparin-binding domain. [Erratum to document cited in CA125:297979]

AU Furukawa, Katsutoshi; Sopher, Bryce L.; Rydel, Russell E.; Begley, James G.; Pham, Dao G.; Martin, George M.; Fox, Michael; Mattson, Mark P.

CS Sanders-Brown Res. Cent. Aging, Univ. Kentucky, Lexington, KY, 40536-0230, USA

SO Journal of Neurochemistry (***1997***), 68(3), 1331

CODEN: JONRA9; ISSN: 0022-3042

PB Lippincott-Raven

DT Journal

LA English

L4 ANSWER 7 OF 116 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1997:119187 CAPLUS

DN 126:128714

TI ***Beta*** - ***secretase*** , assays for detecting ***beta*** - ***secretase*** inhibition, and method for inhibiting beta-amyloid precursor protein cleavage

IN Chrysler, Susanna M. S.; Sinha, Sukanto; Keim, Pamela S.; Anderson, John P.; Jacobson-Croak, Kirsten L.; Tan, Hua; Mcconlogue, Lisa C.

PA Athena Neurosciences, Inc., USA; Chrysler, Susanna M. S.; Sinha, Sukanto; Keim, Pamela S.; Anderson, John P.; Jacobson-Croak, Kirsten L.; Tan, Hua; Mcconlogue, Lisa C.

SO PCT Int. Appl., 91 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9640885	A2	19961219	WO 1996-US9985	19960607 <--
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5744346	A	19980428	US 1995-480498	19950607 <--
	EP 871720	A2	19981021	EP 1996-923276	19960607 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 11507538	T2	19990706	JP 1996-502130	19960607 <--
	US 6329163	B1	20011211	US 1998-54334	19980402
PRAI	US 1995-480498	A	19950607		
	US 1995-485152	A	19950607		
	WO 1996-US9985	W	19960607		

L4 ANSWER 8 OF 116 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1996:649843 CAPLUS

DN 125:297979

TI Increased activity-regulating and neuroprotective efficacy .alpha.-secretase-derived secreted amyloid precursor protein conferred by a C-terminal heparin-binding domain

AU Furukawa, Katsutoshi; Sopher, Bryce L.; Rydel, Russell E.; Begley, James

CS G.; Pham, Dao G.; Martin, George M.; Fox, Michael; Mattson, Mark P.
Sanders-Brown Res. Cent. Aging, Univ. Kentucky, Lexington, KY, 40536-0230,
USA

SO Journal of Neurochemistry (***1996***), 67(5), 1882-1896
CODEN: JONRA9; ISSN: 0022-3042

PB Lippincott-Raven

DT Journal

LA English

L4 ANSWER 9 OF 116 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1996:250576 CAPLUS
DN 124:339996

TI Metabolism of the "Swedish" amyloid precursor protein variant in neuro2a (N2a) cells. Evidence that cleavage at the ". ***beta*** .- ***secretase*** " site occurs in the Golgi apparatus

AU Thinakaran, Gopal; Teplow, David B.; Siman, Robert; Greenberg, Barry;
Sisodia, Sangram S.

CS Dep. Pathol., Johns Hopkins Univ. Sch. Med., Baltimore, MD, 21205-2196,
USA

SO Journal of Biological Chemistry (***1996***), 271(16), 9390-7
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

L4 ANSWER 10 OF 116 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1994:480199 CAPLUS
DN 121:80199

TI Cleavage at the amino and carboxyl termini of Alzheimer's amyloid-.beta. by cathepsin D

AU Ladrer, Uri S.; Snyder, Seth W.; Wang, Gary T.; Holzman, Thomas F.;
Krafft, Grant A.

CS Abbott Lab., Abbott Park, IL, 60064, USA

SO Journal of Biological Chemistry (***1994***), 269(28), 18422-8
CODEN: JBCHA3; ISSN: 0021-9258

DT Journal

LA English

L4 ANSWER 11 OF 116 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1994:432437 CAPLUS
DN 121:32437

TI Synthetic post-translationally modified human A.beta. peptide exhibits a markedly increased tendency to form .beta.-pleated sheets in vitro

AU Fabian, Heinz; Szendrei, Gyorgyi I.; Mantsch, Henry H.; Greenberg, Barry D.; Otvos, Laszlo, Jr.

CS Inst. Biodiagn., Natl. Res. Counc. Canada, Winnipeg, MB, Can.

SO European Journal of Biochemistry (***1994***), 221(3), 959-64
CODEN: EJBCAI; ISSN: 0014-2956

DT Journal

LA English

L4 ANSWER 12 OF 116 CIN COPYRIGHT 2005 ACS on STN
AN 27(8):8647U CIN
TI .gamma.-Secretase gains as target for blocking .beta.-amyloid production
SO Emerging Pharm., Feb 1998 (19980200), 7(2), p. 5-6. ISSN: 1061-6098;
CODEN: EMPHFR.

LA English

L4 ANSWER 13 OF 116 DRUGU COPYRIGHT 2005 THE THOMSON CORP on STN
AN 1995-26406 DRUGU P B

TI The vacuolar H+-ATPase inhibitor baflomycin A1 differentially affects proteolytic processing of mutant and wild-type beta-amyloid precursor protein.

AU Haass C; Capell A; Citron M; Teplow D B; Selkoe D J
LO Boston, Mass., USA

SO J.Biol.Chem. (270, No. 11, 6186-92, 1995) 7 Fig. 50 Ref.
CODEN: JBCHA3 ISSN: 0021-9258

AV Department of Neurology and Program in Neuroscience, Harvard Medical School and Center for Neurologic Diseases, Brigham and Women's Hospital, Boston, Massachusetts 02115, U.S.A.

LA English

DT Journal

FA AB; LA; CT

FS Literature

L4 ANSWER 14 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.

AN on STN
2001:887718 SCISEARCH
GA The Genuine Article (R) Number: BT09W
TI Toward the characterization and identification of gamma-secretases using transition-state analogue inhibitors
AU Moore C L; Diehl T S; Selkoe D J; Wolfe M S (Reprint)
CS Harvard Univ, Sch Med, Brigham & Womens Hosp, Ctr Neurol Dis, Boston, MA 02115 USA (Reprint); Univ Tennessee, Dept Pharmaceut Sci, Memphis, TN 38163 USA
CYA USA
SO MOLECULAR BASIS OF DEMENTIA, (***OCT 2000***) Vol. 920, pp. 197-205.
Publisher: NEW YORK ACAD SCIENCES, 2 EAST 63RD ST, NEW YORK, NY 10021 USA.
ISSN: 0077-8923.
DT Article; Journal
LA English
REC Reference Count: 39
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 15 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2001:887713 SCISEARCH
GA The Genuine Article (R) Number: BT09W
TI Presenilin function in APP processing
AU Annaert W; Cupers P; Saftig P; De Strooper B (Reprint)
CS Catholic Univ Louvain, Neuronal Cell Biol & Gene Transfer Lab, Ctr Human Genet, Flanders Interuniv Inst Biotechnol, Herestraat 49, B-3000 Louvain, Belgium (Reprint); Catholic Univ Louvain, Neuronal Cell Biol & Gene Transfer Lab, Ctr Human Genet, Flanders Interuniv Inst Biotechnol, B-3000 Louvain, Belgium; Univ Gottingen, Zentrum Biochem & Mol Zellbiol, D-3400 Gottingen, Germany
CYA Belgium; Germany
SO MOLECULAR BASIS OF DEMENTIA, (***OCT 2000***) Vol. 920, pp. 158-164.
Publisher: NEW YORK ACAD SCIENCES, 2 EAST 63RD ST, NEW YORK, NY 10021 USA.
ISSN: 0077-8923.
DT Article; Journal
LA English
REC Reference Count: 53
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 16 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2001:149665 SCISEARCH
GA The Genuine Article (R) Number: 400MG
TI Amyloid precursor protein ***beta*** - ***secretase*** (BACE) mRNA expression in human neural cell lines following induction of neuronal differentiation and exposure to cytokines and growth factors.
AU Satoh J (Reprint); Kuroda Y
CS Saga Med Sch, Dept Internal Med, Div Neurol, saga 8498501, Japan
CYA Japan
SO NEUROPATHOLOGY, (***DEC 2000***) Vol. 20, No. 4, pp. 289-296.
Publisher: BLACKWELL SCIENCE ASIA, 54 UNIVERSITY ST, P O BOX 378, CARLTON, VICTORIA 3053, AUSTRALIA.
ISSN: 0919-6544.
DT Article; Journal
LA English
REC Reference Count: 32
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 17 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2001:1370 SCISEARCH
GA The Genuine Article (R) Number: 383GT
TI Protein kinase C regulation of intracellular and cell surface amyloid precursor protein (APP) cleavage in CH0695 cells
AU Jolly-Tornetta C; Wolf B A (Reprint)
CS Univ Penn, Sch Med, Dept Pathol & Lab Med, 230 John Morgan Bldg, 3620 Hamilton Walk, Philadelphia, PA 19104 USA (Reprint); Univ Penn, Sch Med, Dept Pathol & Lab Med, Philadelphia, PA 19104 USA
CYA USA
SO BIOCHEMISTRY, (***12 DEC 2000***) Vol. 39, No. 49, pp. 15282-15290.
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036 USA.
ISSN: 0006-2960.
DT Article; Journal
LA English
REC Reference Count: 61
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 18 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:934704 SCISEARCH

GA The Genuine Article (R) Number: 380HX

TI Exogenous A beta 1-40 reproduces cerebrovascular alterations resulting
from amyloid precursor protein overexpression in mice

AU Niwa K; Carlson G A; Iadecola C (Reprint)

CS UNIV MINNESOTA, SCH MED, DEPT NEUROL, CTR CLIN & MOL NEUROBIOL, BOX 295
UMHC, 420 DELAWARE ST SE, MINNEAPOLIS, MN 55455 (Reprint); UNIV MINNESOTA,
SCH MED, DEPT NEUROL, CTR CLIN & MOL NEUROBIOL, MINNEAPOLIS, MN 55455;
UNIV MINNESOTA, SCH MED, DEPT NEUROSCI, CTR CLIN & MOL NEUROBIOL,
MINNEAPOLIS, MN 55455; MC LAUGHLIN RES INST, GREAT FALLS, MT

CYA USA

SO JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM, (***DEC 2000***) Vol.
20, No. 12, pp. 1659-1668.

Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
19106-3621.

ISSN: 0271-678X.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 54

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 19 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:920752 SCISEARCH

GA The Genuine Article (R) Number: 378XT

TI ***ASP1*** (BACE2) cleaves the amyloid precursor protein at the
beta - ***secretase*** site

AU Hussain I; Powell D J; Howlett D R; Chapman G A; Gilmour L; Murdock P R;
Tew D G; Meek T D; Chapman C; Schneider K; Ratcliffe S J; Tattersall D;
Testa T T; Southan C; Ryan D M; Simmons D L; Walsh F S; Dingwall C;
Christie G (Reprint)

CS SMITHKLINE BEECHAM PHARMACEUT, DEPT NEUROSCI RES, NEW FRONTIERS SCI PK,
HARLOW CM19 5AW, ESSEX, ENGLAND (Reprint); SMITHKLINE BEECHAM PHARMACEUT,
DEPT NEUROSCI RES, HARLOW CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM
PHARMACEUT, DEPT MOL SCREENING TECHNOL, HARLOW CM19 5AW, ESSEX, ENGLAND;
SMITHKLINE BEECHAM PHARMACEUT, DEPT BIOTECHNOL & GENET, HARLOW CM19 5AW,
ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT, DEPT DISCOVERY CHEM, HARLOW
CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT, DEPT BIOINFORMAT,
HARLOW CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT, DEPT MED
CHEM, KING OF PRUSSIA, PA 19406; SMITHKLINE BEECHAM PHARMACEUT, DEPT MOL
SCREENING TECHNOL, KING OF PRUSSIA, PA 19406

CYA ENGLAND; USA

SO MOLECULAR AND CELLULAR NEUROSCIENCE, (***NOV 2000***) Vol. 16, No. 5,
pp. 609-619.

Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA
92101-4495.

ISSN: 1044-7431.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 34

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 20 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:920748 SCISEARCH

GA The Genuine Article (R) Number: 378XT

TI X11 alpha and x11 beta interact with presenilin-1 via their PDZ domains

AU Lau K F (Reprint); McLoughlin D M; Standen C; Miller C C J

CS INST PSYCHIAT, DEPT NEUROSCI, DENMARK HILL, LONDON SE5 8AF, ENGLAND
(Reprint); INST PSYCHIAT, OLD AGE PSYCHIAT SECT, LONDON SE5 8AF, ENGLAND

CYA ENGLAND

SO MOLECULAR AND CELLULAR NEUROSCIENCE, (***NOV 2000***) Vol. 16, No. 5,
pp. 557-565.

Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA
92101-4495.

ISSN: 1044-7431.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 47

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 21 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:845331 SCISEARCH
GA The Genuine Article (R) Number: 369YL
TI Presenilin-1 and -2 are molecular targets for gamma-secretase inhibitors
AU Seiffert D (Reprint); Bradley J D; Rominger C M; Rominger D H; Yang F D;
Meredith J E; Tang Q; Roach A H; Thompson L A; Spitz S M; Higaki J N;
Prakash S R; Combs A P; Copeland R A; Arneric S P; Hartig P R; Robertson D
W; Cordell B; Stern A M; Olson R E; Zaczek R
CS DUPONT PHARMACEUT CO, EXPT STN, POB 80400, WILMINGTON, DE 19880 (Reprint);
SCIOS INC, SUNNYVALE, CA 94086

CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***3 NOV 2000***) Vol. 275, No. 44,
pp. 34086-34091.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 24
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 22 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:824007 SCISEARCH
GA The Genuine Article (R) Number: 367ZQ
TI The processing and biological function of the human amyloid precursor
protein (APP): lessons from different cellular models
AU KienlenCampard P; Tasiaux B; Octave J N (Reprint)
CS UNIV CATHOLIQUE LOUVAIN, LAB PHARMACOL EXPT, FARL 5410, AV HIPPOCRATE 54,
B-1200 BRUSSELS, BELGIUM (Reprint); UNIV CATHOLIQUE LOUVAIN, LAB PHARMACOL
EXPT, FARL 5410, B-1200 BRUSSELS, BELGIUM
CYA BELGIUM
SO EXPERIMENTAL GERONTOLOGY, (***SEP 2000***) Vol. 35, No. 6-7, Sp. iss.
SI, pp. 843-850.
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE,
KIDLINGTON, OXFORD OX5 1GB, ENGLAND.
ISSN: 0531-5565.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 21
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 23 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:821929 SCISEARCH
GA The Genuine Article (R) Number: 368AF
TI Presenilin 2 mutation does not influence expression and concentration of
APP forms in human platelets
AU Pastorino L; Colciaghi F; Marcon G; Borroni B; Cottini E; Cattabeni F;
Padovani A; DiLuca M (Reprint)
CS UNIV MILAN, INST PHARMACOL SCI, VIA BALZARETTI 9, I-20133 MILAN, ITALY
(Reprint); UNIV MILAN, INST PHARMACOL SCI, I-20133 MILAN, ITALY; UNIV
UDINE, DEPT NEUROL, I-33100 UDINE, ITALY; UNIV BRESCIA, DEPT MED SCI,
BRESCIA, ITALY
CYA ITALY
SO MOLECULAR MEDICINE, (***OCT 2000***) Vol. 6, No. 10, pp. 816-824.
Publisher: JOHNS HOPKINS UNIV PRESS, JOURNALS PUBLISHING DIVISION, 2715
NORTH CHARLES ST, BALTIMORE, MD 21218-4319.
ISSN: 1076-1551.

DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 41
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 24 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:797154 SCISEARCH
GA The Genuine Article (R) Number: 365BZ
TI Regulation of APP cleavage by alpha-, beta- and gamma-secretases
AU Nunan J; Small D H (Reprint)
CS UNIV MELBOURNE, DEPT PATHOL, MOL NEUROBIOL LAB, MELBOURNE, VIC 3010,

CY A AUSTRALIA (Reprint); UNIV MELBOURNE, DEPT PATHOL, MOL NEUROBIOL LAB, MELBOURNE, VIC 3010, AUSTRALIA

SO AUSTRALIA

FEBS LETTERS, (***13 OCT 2000***) Vol. 483, No. 1, pp. 6-10.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
NETHERLANDS.

ISSN: 0014-5793.

DT General Review; Journal

FS LIFE

LA English

REC Reference Count: 51
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 25 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:796905 SCISEARCH

GA The Genuine Article (R) Number: 365AA

TI Coordinated expression of beta-amyloid precursor protein and the putative ***beta*** - ***secretase*** BACE and alpha-secretase ADAM10 in mouse and human brain

AU Marcinkiewicz M (Reprint); Seidah N G

CS CLIN RES INST MONTREAL, BIOCHEM NEUROENDOCRINOL LAB, 110 PINE AVE W, MONTREAL, PQ H2W 1R7, CANADA (Reprint)

CY A CANADA

SO JOURNAL OF NEUROCHEMISTRY, (***NOV 2000***) Vol. 75, No. 5, pp. 2133-2143.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621.
ISSN: 0022-3042.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 47
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 26 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:785734 SCISEARCH

GA The Genuine Article (R) Number: 363CB

TI Proteolytic activation of recombinant pro-memapsin 2 (pro- ***beta*** - ***secretase***) studied with new fluorogenic substrates

AU Ermolieff J; Loy J A; Koelsch G; Tang J (Reprint)

CS OKLAHOMA MED RES FDN, PROT STUDIES PROGRAM, 825 NE 13TH ST, OKLAHOMA CITY, OK 73104 (Reprint); OKLAHOMA MED RES FDN, PROT STUDIES PROGRAM, OKLAHOMA CITY, OK 73104; UNIV OKLAHOMA, HLTH SCI CTR, DEPT BIOCHEM & MOL BIOL, OKLAHOMA CITY, OK 73104

CY A USA

SO BIOCHEMISTRY, (***10 OCT 2000***) Vol. 39, No. 40, pp. 12450-12456.
Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036.
ISSN: 0006-2960.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 25
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 27 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:777540 SCISEARCH

GA The Genuine Article (R) Number: 362DE

TI Maturation and pro-peptide cleavage of ***beta*** - ***secretase***

AU Capell A; Steiner H; Willem M; Kaiser H; Meyer C; Walter J; Lammich S; Multhaup G; Haass C (Reprint)

CS UNIV MUNICH, ADOLF BUTENANDT INST, DEPT BIOCHEM, LAB ALZHEIMERS DIS RES, SCHILLERSTR 44, D-80336 MUNICH, GERMANY (Reprint); UNIV MUNICH, ADOLF BUTENANDT INST, DEPT BIOCHEM, LAB ALZHEIMERS DIS RES, D-80336 MUNICH, GERMANY; UNIV HEIDELBERG, CTR MOL BIOL ZMBH, D-69120 HEIDELBERG, GERMANY

CY A GERMANY

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***6 OCT 2000***) Vol. 275, No. 40, pp. 30849-30854.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 31
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 28 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:764037 SCISEARCH
GA The Genuine Article (R) Number: 361LP
TI Structure of the protease domain of memapsin 2 (***beta*** -
secretase) complexed with inhibitor
AU Hong L; Koelsch G; Lin X L; Wu S L; Terzyan S; Ghosh A K; Zhang X C; Tang
J (Reprint)
CS OKLAHOMA MED RES FDN, PROT STUDIES PROGRAM, 825 NE 13TH ST, OKLAHOMA CITY,
OK 73104 (Reprint); OKLAHOMA MED RES FDN, PROT STUDIES PROGRAM, OKLAHOMA
CITY, OK 73104; OKLAHOMA MED RES FDN, CRYSTALLOG PROGRAM, OKLAHOMA CITY,
OK 73104; UNIV ILLINOIS, DEPT CHEM, CHICAGO, IL 60607; UNIV OKLAHOMA, HLTH
SCI CTR, DEPT BIOCHEM & MOL BIOL, OKLAHOMA CITY, OK 73104

CYA USA
SO SCIENCE, (***6 OCT 2000***) Vol. 290, No. 5489, pp. 150-153.
Publisher: AMER ASSOC ADVANCEMENT SCIENCE, 1200 NEW YORK AVE, NW,
WASHINGTON, DC 20005.
ISSN: 0036-8075.

DT Article; Journal
FS PHYS; LIFE; AGRI
LA English

REC Reference Count: 32
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 29 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:748990 SCISEARCH
GA The Genuine Article (R) Number: 359FG
TI Metabolism of amyloid precursor protein in COS cells transfected with a
beta - ***secretase*** candidate
AU Koike H; Kouchi Z; Kinouchi T; Maeda T; Sorimachi H; Saido T C; Maruyama
K; Okuyama A; Suzuki K; Ishiura S (Reprint)
CS UNIV TOKYO, GRAD SCH ARTS & SCI, DEPT LIFE SCI, MEGURO KU, 3-8-1 KOMABA,
TOKYO 1538902, JAPAN (Reprint); UNIV TOKYO, GRAD SCH ARTS & SCI, DEPT LIFE
SCI, MEGURO KU, TOKYO 1538902, JAPAN; UNIV TOKYO, INST MOL & CELLULAR
BIOSCI, BUNKYO KU, TOKYO 1130032, JAPAN; TOKYO WOMENS MED UNIV, SCH MED,
DEPT PHYSIOL, SHINJYUKU KU, TOKYO 1628666, JAPAN; JICHI MED SCH, DEPT
BIOCHEM, MINAMI KAWACHI, TOCHIGI 3290498, JAPAN; UNIV TOKYO, GRAD SCH AGR
& LIFE SCI, DEPT APPL BIOL CHEM, BUNKYO KU, TOKYO 1130032, JAPAN; RIKEN,
BRAIN SCI INST, LAB PROTEOLYT NEUROSCI, WAKO, SAITAMA 3510198, JAPAN;
TOKYO METROPOLITAN INST PSYCHIAT, DEPT MOL BIOL, SETAGAYA KU, TOKYO
1568585, JAPAN; BANYU TSUKUBA RES INST, TSUKUBA, IBARAKI 3002611, JAPAN

CYA JAPAN
SO CYTOTECHNOLOGY, (***JUL 2000***) Vol. 33, No. 1-3, pp. 213-219.
Publisher: KLUWER ACADEMIC PUBL, SPUIBOULEVARD 50, PO BOX 17, 3300 AA
DORDRECHT, NETHERLANDS.
ISSN: 0920-9069.

DT Article; Journal
FS AGRI
LA English

REC Reference Count: 21
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 30 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:748036 SCISEARCH
GA The Genuine Article (R) Number: 358VV
TI Requirements for presenilin-dependent cleavage of notch and other
transmembrane proteins
AU Struhl G (Reprint); Adachi A
CS COLUMBIA UNIV COLL PHYS & SURG, DEPT GENET & DEV, 701 W 168TH ST, NEW
YORK, NY 10032 (Reprint); COLUMBIA UNIV COLL PHYS & SURG, HOWARD HUGHES
MED INST, NEW YORK, NY 10032

CYA USA
SO MOLECULAR CELL, (***SEP 2000***) Vol. 6, No. 3, pp. 625-636.
Publisher: CELL PRESS, 1050 MASSACHUSETTES AVE, CIRCULATION DEPT,
CAMBRIDGE, MA 02138.
ISSN: 1097-2765.

DT Article; Journal
FS LIFE
LA English

REC Reference Count: 61
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 31 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:709319 SCISEARCH
GA The Genuine Article (R) Number: 354FV
TI Neuropathological, biochemical and genetic alterations in AD
AU GeorgeHyslop P H (Reprint); McLaurin J; Fraser P E
CS UNIV TORONTO, CTR RES NEURODEGENERAT DIS, TORONTO, ON M5S 3H2, CANADA
CYA CANADA
SO DRUG NEWS & PERSPECTIVES, (***JUN 2000***) Vol. 13, No. 5, pp.
281-288.
Publisher: PROUS SCIENCE, SA, PO BOX 540, PROVENZA 388, 08025 BARCELONA,
SPAIN.
ISSN: 0214-0934.
DT Article; Journal
LA English
REC Reference Count: 44
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 32 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:697751 SCISEARCH
GA The Genuine Article (R) Number: 352FL
TI Remarkable roles of proteolysis on and beyond the cell surface
AU Blobel C P (Reprint)
CS MEM SLOAN KETTERING CANC CTR, SLOAN KETTERING INST, CELLULAR BIOCHEM &
BIOPHYS PROGRAM, BOX 368, NEW YORK, NY 10021 (Reprint)
CYA USA
SO CURRENT OPINION IN CELL BIOLOGY, (***OCT 2000***) Vol. 12, No. 5, pp.
606-612.
Publisher: CURRENT BIOLOGY LTD, 84 THEOBALDS RD, LONDON WC1X 8RR, ENGLAND.
ISSN: 0955-0674.
DT General Review; Journal
FS LIFE
LA English
REC Reference Count: 59
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 33 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:654323 SCISEARCH
GA The Genuine Article (R) Number: 348VJ
TI Aging increased amyloid peptide and caused amyloid plaques in brain of old
APP/V717I transgenic mice by a different mechanism than mutant presenilin1
AU Dewachter I; VanDorpe J; Smeijers L; Gilis M; Kuiperi C; Laenen I;
Caluwaerts N; Moechars D; Checler D R; Vanderstichele H; VanLeuven F
(Reprint)
CS KATHOLIEKE UNIV LEUVEN, FLEMISH INST BIOTECHNOL, CTR HUMAN GENET, EXPT
GENET GRP, B-3000 LOUVAIN, BELGIUM (Reprint); KATHOLIEKE UNIV LEUVEN,
FLEMISH INST BIOTECHNOL, CTR HUMAN GENET, EXPT GENET GRP, B-3000 LOUVAIN,
BELGIUM; CNRS, INST PHARMACOL MOL & CELLULAIRE, UNITE PROPRE RECH 411,
F-06560 VALBONNE, FRANCE; JANSSEN RES FDN, B-2340 BEERSE, BELGIUM;
INNOGENET NV, B-9052 GHENT, BELGIUM
CYA BELGIUM; FRANCE
SO JOURNAL OF NEUROSCIENCE, (***1 SEP 2000***) Vol. 20, No. 17, pp.
6452-6458.
Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE 500, WASHINGTON, DC
20036.
ISSN: 0270-6474.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 36
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 34 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:652029 SCISEARCH
GA The Genuine Article (R) Number: 346VF
TI Expression of amyloid precursor protein in human astrocytes in vitro:
Isoform-specific increases following heat shock
AU Shepherd C E; Bowes S; Parkinson D; CambrayDeakin M; Pearson R C A
(Reprint)
CS UNIV SHEFFIELD, DEPT BIOMED SCI, WESTERN BANK, SHEFFIELD S10 2TN, S
YORKSHIRE, ENGLAND (Reprint); UNIV SHEFFIELD, DEPT BIOMED SCI, SHEFFIELD
S10 2TN, S YORKSHIRE, ENGLAND; SHEFFIELD HALLAM UNIV, DEPT BIOMED SCI,

CYA SHEFFIELD S1 1WB, S YORKSHIRE, ENGLAND

ENGLAND

SO NEUROSCIENCE, (***AUG 2000***) Vol. 99, No. 2, pp. 317-325.

Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE,
KIDLINGTON, OXFORD OX5 1GB, ENGLAND.

ISSN: 0306-4522.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 50

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 35 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:644266 SCISEARCH

GA The Genuine Article (R) Number: 345XM

TI BACE2, a ***beta*** - ***secretase*** homolog, cleaves at the beta
site and within the amyloid-beta region of the amyloid-beta precursor
protein

AU Farzan M (Reprint); Schnitzler C E; Vasilieva N; Leung D; Choe H

CS DANA FARBER CANC INST, DEPT CANC IMMUNOL & AIDS, BOSTON, MA 02115
(Reprint); CHILDRENS HOSP, DEPT PATHOL, BOSTON, MA 02115; CHILDRENS HOSP,
PERLMUTTER LAB, BOSTON, MA 02115; HARVARD UNIV, SCH MED, DEPT MED, BOSTON,
MA 02115

CYA USA

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA, (***15 AUG 2000***) Vol. 97, No. 17, pp. 9712-9717.

Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
20418.

ISSN: 0027-8424.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 29

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 36 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:534362 SCISEARCH

GA The Genuine Article (R) Number: 332QG

TI Expression analysis of BACE2 in brain and peripheral tissues

AU Bennett B D; BabuKhan S; Loeloff R; Louis J C; Curran E; Citron M; Vassar
R (Reprint)

CS AMGEN INC, 1 AMGEN CTR DR, M-S 29-2-B, THOUSAND OAKS, CA 91320 (Reprint);
AMGEN INC, THOUSAND OAKS, CA 91320

CYA USA

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***7 JUL 2000***) Vol. 275, No. 27,
pp. 20647-20651.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.

ISSN: 0021-9258.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 28

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 37 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:509939 SCISEARCH

GA The Genuine Article (R) Number: 329QF

TI Regulation of amyloid precursor protein (APP) secretion by protein kinase
C alpha in human ntera 2 neurons (NT2N)

AU JollyTornetta C; Wolf B A (Reprint)

CS UNIV PENN, SCH MED, DEPT PATHOL & LAB MED, 230 JOHN MORGAN BLDG, 3260
HAMILTON WALK, PHILADELPHIA, PA 19104 (Reprint); UNIV PENN, SCH MED, DEPT
PATHOL & LAB MED, PHILADELPHIA, PA 19104

CYA USA

SO BIOCHEMISTRY, (***27 JUN 2000***) Vol. 39, No. 25, pp. 7428-7435.

Publisher: AMER CHEMICAL SOC, 1155 16TH ST, NW, WASHINGTON, DC 20036.

ISSN: 0006-2960.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 80

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 38 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:503955 SCISEARCH
GA The Genuine Article (R) Number: 328WF
TI A yeast genetic assay for caspase cleavage of the amyloid-beta precursor
protein
AU Gunyuzlu P L (Reprint); White W H; Davis G L; Hollis G F; Toyn J H
CS DUPONT PHARMACEUT, EXPT STN, WILMINGTON, DE 19880
CYA USA
SO MOLECULAR BIOTECHNOLOGY, (***MAY 2000***) Vol. 15, No. 1, pp. 29-37.
Publisher: HUMANA PRESS INC, 999 RIVERVIEW DRIVE SUITE 208, TOTOWA, NJ
07512.
ISSN: 1073-6085.
DT Article; Journal
LA English
REC Reference Count: 42
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 39 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:448502 SCISEARCH
GA The Genuine Article (R) Number: 322TZ
TI The molecular and genetic basis of AD: The end of the beginning - The 2000
Wartenberg lecture
AU Rosenberg R N (Reprint)
CS UNIV TEXAS, SW MED CTR, DEPT NEUROL, 5323 HARRY HINES BLVD, DALLAS, TX
75390 (Reprint)
CYA USA
SO NEUROLOGY, (***13 JUN 2000***) Vol. 54, No. 11, pp. 2045-2054.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
19106-3621.
ISSN: 0028-3878.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 102

L4 ANSWER 40 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:421447 SCISEARCH
GA The Genuine Article (R) Number: 317ZA
TI High-level neuronal expression of A beta(1-42) in wild-type human amyloid
protein precursor transgenic mice: Synaptotoxicity without plaque
formation
AU Mucke L (Reprint); Masliah E; Yu G Q; Mallory M; Rockenstein E M; Tatsuno
G; Hu K; Khodenko D; Johnsonwood K; McConlogue L
CS UNIV CALIF SAN FRANCISCO, GLADSTONE INST NEUROL DIS, POB 419100, SAN
FRANCISCO, CA 94141 (Reprint); UNIV CALIF SAN FRANCISCO, DEPT NEUROL, SAN
FRANCISCO, CA 94141; UNIV CALIF SAN FRANCISCO, NEUROSCI PROGRAM, SAN
FRANCISCO, CA 94141; UNIV CALIF SAN DIEGO, DEPT NEUROSCI, LA JOLLA, CA
92093; UNIV CALIF SAN DIEGO, DEPT PATHOL, LA JOLLA, CA 92093; ELAN
PHARMACEUT, S SAN FRANCISCO, CA 94080
CYA USA
SO JOURNAL OF NEUROSCIENCE, (***1 JUN 2000***) Vol. 20, No. 11, pp.
4050-4058.
Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE 500, WASHINGTON, DC
20036.
ISSN: 0270-6474.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 69
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 41 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:420811 SCISEARCH
GA The Genuine Article (R) Number: 319BG
TI Presenilin 1 is linked with gamma-secretase activity in the detergent
solubilized state
AU Li Y M (Reprint); Lai M T; Xu M; Huang Q; DiMuzioMower J; Sardana M K; Shi
X P; Yin K C; Shafer J A; Gardell S J
CS MERCK RES LABS, DEPT BIOL CHEM, W POINT, PA 19486 (Reprint)
CYA USA
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (***23 MAY 2000***) Vol. 97, No. 11, pp. 6138-6143.
Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
20418.

DT ISSN: 0027-8424.

Article; Journal

FS LIFE

LA English

REC Reference Count: 23

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 42 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:166635 SCISEARCH

GA The Genuine Article (R) Number: 285VU

TI Human aspartic protease memapsin 2 cleaves the ***beta*** -
secretase site of beta-amyloid precursor protein

AU Lin X L; Koelsch C; Wu S L; Downs D; Dashti A; Tang J (Reprint)

CS OKLAHOMA MED RES FDN, PROT STUDIES PROGRAM, 825 NE 13TH ST, OKLAHOMA CITY,
OK 73104 (Reprint); OKLAHOMA MED RES FDN, PROT STUDIES PROGRAM, OKLAHOMA
CITY, OK 73104; UNIV OKLAHOMA, HLTH SCI CTR, DEPT BIOCHEM & MOL BIOL,
OKLAHOMA CITY, OK 73104

CYA USA

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA, (***15 FEB 2000***) Vol. 97, No. 4, pp. 1456-1460.
Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
20418.

DT ISSN: 0027-8424.

Article; Journal

FS LIFE

LA English

REC Reference Count: 18

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 43 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:160579 SCISEARCH

GA The Genuine Article (R) Number: 286PA

TI The gene encoding DRAP (BACE2), a glycosylated transmembrane protein of
the aspartic protease family, maps to the Down critical region

AU Acquati F; Accarino M; Nucci C; Fumagalli P; Jovine L; Ottolenghi S;
Taramelli R (Reprint)

CS UNIV INSUBRIA, DIPARTIMENTO STRUTTURALE & FUNZIONALE, VIA DUNANT 3,
VARESE, ITALY (Reprint); UNIV INSUBRIA, DIPARTIMENTO STRUTTURALE &
FUNZIONALE, VARESE, ITALY; UNIV MILAN, DIPARTIMENTO GENET & BIOL
MICRORGANISMI, MILAN, ITALY; OSPED SAN RAFFAELE, IRCCS, I-20132 MILAN,
ITALY; MRC, MOL BIOL LAB, STRUCT STUDIES DIV, CAMBRIDGE CB2 2QH, ENGLAND

CYA ITALY; ENGLAND

SO FEBS LETTERS, (***18 FEB 2000***) Vol. 468, No. 1, pp. 59-64.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
NETHERLANDS.

DT ISSN: 0014-5793.

Article; Journal

FS LIFE

LA English

REC Reference Count: 34

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 44 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:142484 SCISEARCH

GA The Genuine Article (R) Number: 284ME

TI Increased generation of alternatively cleaved beta-amyloid peptides in
cells expressing mutants of the amyloid precursor protein defective in
endocytosis

AU Cescato R; Dumermuth E; Spiess M; Paganetti P A (Reprint)

CS NOVARTIS PHARMA AG, POB WSJ 386-8-28, CH-4002 BASEL, SWITZERLAND
(Reprint); NOVARTIS PHARMA AG, CH-4002 BASEL, SWITZERLAND; UNIV BASEL,
BIOZENTRUM, BASEL, SWITZERLAND

CYA SWITZERLAND

SO JOURNAL OF NEUROCHEMISTRY, (***MAR 2000***) Vol. 74, No. 3, pp.
1131-1139.

Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
19106-3621.

DT ISSN: 0022-3042.

Article; Journal

FS LIFE

LA English
REC Reference Count: 49
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 45 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:122334 SCISEARCH
GA The Genuine Article (R) Number: 281RA
TI Inhibitors of beta-amyloid formation based on the ***beta*** -
secretase cleavage site
AU Abbenante G (Reprint); Kovacs D M; Leung D L; Craik D J; Tanzi R E;
Fairlie D P
CS UNIV QUEENSLAND, CTR DRUG DESIGN & DEV, BRISBANE, QLD 4072, AUSTRALIA
(Reprint); HARVARD UNIV, MASSACHUSETTS GEN HOSP, SCH MED, DEPT NEUROL,
GENET & AGING UNIT, CHARLESTOWN, MA 02129
CYA AUSTRALIA; USA
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (***5 FEB 2000***
) Vol. 268, No. 1, pp. 133-135.
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA
92101-4495.
ISSN: 0006-291X.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 20
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 46 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:114055 SCISEARCH
GA The Genuine Article (R) Number: 280XA
TI Protein kinase C-dependent alpha-secretase competes with ***beta*** -
secretase for cleavage of amyloid-beta precursor protein in the
trans-Golgi network
AU Skovronsky D M; Moore D B; Milla M E; Doms R W; Lee V M Y (Reprint)
CS HUP, CTR NEURODEGENERAT DIS RES, DEPT PATHOL & LAB MED, MALONEY 3,
PHILADELPHIA, PA 19104 (Reprint); UNIV PENN, SCH MED, CTR NEURODEGENERAT
DIS RES, DEPT PATHOL & LAB MED, PHILADELPHIA, PA 19104
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***28 JAN 2000***) Vol. 275, No. 4,
pp. 2568-2575.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 34
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 47 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:96111 SCISEARCH
GA The Genuine Article (R) Number: 278LX
TI Presenilin I expression in yeast lowers secretion of the amyloid precursor
protein
AU Evin G (Reprint); LeBrocq D; Culvenor J G; Galatis D; Weidemann A;
Beyreuther K; Masters C L; Cappai R
CS UNIV MELBOURNE, DEPT PATHOL, PARKVILLE, VIC 3052, AUSTRALIA (Reprint);
MENTAL HLTH RES INST, PARKVILLE, VIC 3052, AUSTRALIA; UNIV HEIDELBERG,
ZMBH, CTR MOL BIOL, D-69120 HEIDELBERG, GERMANY
CYA AUSTRALIA; GERMANY
SO NEUROREPORT, (***7 FEB 2000***) Vol. 11, No. 2, pp. 405-408.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
19106-3621.
ISSN: 0959-4965.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 19
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 48 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 2000:96105 SCISEARCH
GA The Genuine Article (R) Number: 278LX

TI The 68K protease has ***beta*** - ***secretase*** -like activity for lymphocyte precursor protein but not for brain substrate
AU Matsumoto A (Reprint)
CS KOBE UNIV, SCH MED, DEPT RADIAT BIOPHYS & GENET, KUSUNOKI CHO 7, KOBE, HYOGO 6500017, JAPAN (Reprint)
CYA JAPAN
SO NEUROREPORT, (***7 FEB 2000***) Vol. 11, No. 2, pp. 373-377.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621.
ISSN: 0959-4965.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 19
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 49 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:57987 SCISEARCH
GA The Genuine Article (R) Number: 273GQ
TI Identification of ***beta*** - ***secretase*** -like activity using a mass spectrometry-based assay system
AU GruningerLeitch F; Berndt P; Langen H; Nelboeck P; Dobeli H (Reprint)
CS F HOFFMANN LA ROCHE & CO LTD, CNS RES, GRENZACHERSTR 124, CH-4070 BASEL, SWITZERLAND (Reprint); F HOFFMANN LA ROCHE & CO LTD, CNS RES, CH-4070 BASEL, SWITZERLAND; F HOFFMANN LA ROCHE & CO LTD, ROCHE GENET, CH-4070 BASEL, SWITZERLAND
CYA SWITZERLAND
SO NATURE BIOTECHNOLOGY, (***JAN 2000***) Vol. 18, No. 1, pp. 66-70.
Publisher: NATURE AMERICA INC, 345 PARK AVE SOUTH, NEW YORK, NY 10010-1707.
ISSN: 1087-0156.
DT Article; Journal
FS LIFE; AGRI
LA English
REC Reference Count: 23
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 50 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:48562 SCISEARCH
GA The Genuine Article (R) Number: 272RT
TI The function of presenilin-1 in amyloid beta-peptide generation and brain development
AU Saftig P (Reprint); Hartmann D; DeStrooper P
CS UNIV GOTTINGEN, ZENTRUM BIOCHEM & MOL ZELLBIOL, BIOCHEM ABT 2, HEINRICH-DUKER-WEG 12, D-37027 GOTTINGEN, GERMANY (Reprint); CHRISTIAN ALBRECHTS UNIV KIEL, INST ANAT, D-24098 KIEL, GERMANY; KATHOLIEKE UNIV LEUVEN, CTR HUMAN GENET, FLANDERS INST BIOTECHNOL VIB4, LOUVAIN, BELGIUM
CYA GERMANY; BELGIUM
SO EUROPEAN ARCHIVES OF PSYCHIATRY AND CLINICAL NEUROSCIENCE, (***DEC*** *** 1999***) Vol. 249, No. 6, pp. 271-279.
Publisher: DR DIETRICH STEINKOPFF VERLAG, PLATZ DER DEUTSCHEN EINHEIT 25, D-64293 DARMSTADT, GERMANY.
ISSN: 0940-1334.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 87
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 51 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 2000:25182 SCISEARCH
GA The Genuine Article (R) Number: 269RD
TI Identification of a novel aspartic protease (Asp 2) as ***beta*** - ***secretase***
AU Hussain I; Powell D; Howlett D R; Tew D G; Week T D; Chapman C; Gloger I S; Murphy K E; Southan C D; Ryan D M; Smith T S; Simmons D L; Walsh F S; Dingwall C (Reprint); Christie G
CS SMITHKLINE BEECHAM PHARMACEUT, DEPT NEUROSCI, NEW FRONTIERS SCI PK N, COLDHARBOUR RD, 4TH AVE, HARLOW CM19 5AW, ESSEX, ENGLAND (Reprint); SMITHKLINE BEECHAM PHARMACEUT, DEPT NEUROSCI, HARLOW CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT, DEPT MOL SCREENING TECHNOL, HARLOW CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT, DEPT BIOTECHNOL & GENET, HARLOW CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT,

DEPT BIOINFORMAT, HARLOW CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT, DEPT MED CHEM, HARLOW CM19 5AW, ESSEX, ENGLAND; SMITHKLINE BEECHAM PHARMACEUT, DEPT MOL SCREENING TECHNOL, KING OF PRUSSIA, PA 19406; SMITHKLINE BEECHAM PHARMACEUT, DEPT BIOTECHNOL & GENET, KING OF PRUSSIA, PA 19406

CY A ENGLAND; USA
SO MOLECULAR AND CELLULAR NEUROSCIENCE, (***DEC 1999***) Vol. 14, No. 6, pp. 419-427.
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495.
ISSN: 1044-7431.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 25
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 52 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1999:953306 SCISEARCH
GA The Genuine Article (R) Number: 262ML
TI Guinea-pig primary cell cultures provide a model to study expression and amyloidogenic processing of endogenous amyloid precursor protein
AU Beck M (Reprint); Bruckner M K; Holzer M; Kaap S; Pannicke T; Arendt T; Bigl V
CS UNIV LEIPZIG, PAUL FLECHSIG INST BRAIN RES, DEPT NEUROCHEM, JAHNALLEE 59, D-04109 LEIPZIG, GERMANY (Reprint); UNIV LEIPZIG, PAUL FLECHSIG INST BRAIN RES, DEPT NEUROANAT, D-04109 LEIPZIG, GERMANY; UNIV LEIPZIG, PAUL FLECHSIG INST BRAIN RES, DEPT NEUROPHYSIOL, D-04109 LEIPZIG, GERMANY
CY A GERMANY
SO NEUROSCIENCE, (***DEC 2000***) Vol. 95, No. 1, pp. 243-254.
Publisher: PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.
ISSN: 0306-4522.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 100
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 53 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1999:936897 SCISEARCH
GA The Genuine Article (R) Number: 261MP
TI Purification and cloning of amyloid precursor protein ***beta*** - ***secretase*** from human brain
AU Sinha S (Reprint); Anderson J P; Barbour R; Basi G S; Caccavello R; Davis D; Doan M; Dovey H F; Frigon N; Hong J; JacobsonCroak K; Jewett N; Keim P; Knops J; Lieberburg I; Power M; Tan H; Tatsuno G; Tung J; Schenk D; Seubert P; Suomensaari S M; Wang S W; Walker D; Zhao J; McConlogue L; John V
CS ELAN PHARMACEUT, 800 GATEWAY BLVD, S SAN FRANCISCO, CA 94080 (Reprint)
CY A USA
SO NATURE, (***2 DEC 1999***) Vol. 402, No. 6761, pp. 537-540.
Publisher: MACMILLAN MAGAZINES LTD, PORTERS SOUTH, 4 CRINAN ST, LONDON N1 9XW, ENGLAND.
ISSN: 0028-0836.
DT Article; Journal
FS PHYS; LIFE; AGRI
LA English
REC Reference Count: 12
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 54 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1999:842810 SCISEARCH
GA The Genuine Article (R) Number: 250LX
TI Membrane-anchored metalloprotease MDC9 has an alpha-secretase activity responsible for processing the amyloid precursor protein
AU Koike H; Tomioka S; Sorimachi H; Saido T C; Maruyama K; Okuyama A; FujisawaSehara A; Ohno S; Suzuki K; Ishiura S (Reprint)
CS UNIV TOKYO, GRAD SCH ARTS & SCI, DEPT LIFE SCI, MEGURO KU, 3-8-1 KOMABA, TOKYO 1538902, JAPAN (Reprint); UNIV TOKYO, GRAD SCH ARTS & SCI, DEPT LIFE SCI, MEGURO KU, TOKYO 1538902, JAPAN; UNIV TOKYO, INST MOL & CELLULAR BIOSCI, BUNKYO KU, TOKYO 1130032, JAPAN; RIKEN, BRAIN SCI INST, LAB PROTEOLYT NEUROSCI, WAKO, SAITAMA 3510198, JAPAN; TOKYO METROPOLITAN INST

PSYCHIAT, DEPT BIOL MOL, SETAGAYA KU, TOKYO 1568585, JAPAN; TSUKUBA
TECHNOKP OHO, BANYU TSUKUBA RES INST, TSUKUBA, IBARAKI 3002611, JAPAN;
TOKYO METROPOLITAN INST MED SCI, DEPT CELL BIOL, BUNKYO KU, TOKYO 1138613,
JAPAN; YOKOHAMA CITY UNIV, SCH MED, DEPT BIOL MOL, KANAZAWA KU, KANAGAWA
2360004, JAPAN

CYA JAPAN

SO BIOCHEMICAL JOURNAL, (***15 OCT 1999***) Vol. 343, Part 2, pp.
371-375.

Publisher: PORTLAND PRESS, 59 PORTLAND PLACE, LONDON W1N 3AJ, ENGLAND.
ISSN: 0264-6021.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 32

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 55 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1999:762076 SCISEARCH

GA The Genuine Article (R) Number: 241DY

TI Cellular mechanisms of beta-amyloid production and secretion

AU Sinha S (Reprint); Lieberburg I

CS ELAN PHARMACEUT, S SAN FRANCISCO, CA 94080 (Reprint)

CYA USA

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA, (***28 SEP 1999***) Vol. 96, No. 20, pp. 11049-11053.

Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
20418.

ISSN: 0027-8424.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 46

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 56 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1999:533662 SCISEARCH

GA The Genuine Article (R) Number: 212PJ

TI The role of cholesterol in the biosynthesis of beta-amyloid.

AU Frears E R; Stephens D J; Walters C E; Davies H; Austen B M (Reprint)

CS UNIV LONDON ST GEORGES HOSP, SCH MED, NEURODEGENERAT UNIT, CRANMER
TERRACE, LONDON SW17 0RE, ENGLAND (Reprint); UNIV LONDON ST GEORGES HOSP,
SCH MED, NEURODEGENERAT UNIT, LONDON SW17 0RE, ENGLAND; CIPHERGEN BIOSYST
LTD, SURREY GU15 1DA, ENGLAND

CYA ENGLAND

SO NEUROREPORT, (***3 JUN 1999***) Vol. 10, No. 8, pp. 1699-1705.

Publisher: LIPPINCOTT WILLIAMS & WILKINS, 227 EAST WASHINGTON SQ,
PHILADELPHIA, PA 19106.

ISSN: 0959-4965.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 25

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 57 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1999:366441 SCISEARCH

GA The Genuine Article (R) Number: 193DF

TI Platelets and DAMI megakaryocytes possess ***beta*** - ***secretase***
-like activity

AU Abraham C R; Marshall D C L; Tibbles H E; Otto K; Long H J; Billingslea A
M; Hastey R; Johnson R; Fine R E; Smith S J; Simons E R; Davies T A
(Reprint)

CS BOSTON UNIV, SCH MED, 80 E CONCORD ST, K6, BOSTON, MA 02118 (Reprint);
BOSTON UNIV, SCH MED, BOSTON, MA 02118; EDITH NOURSE ROGERS MEM VET ADM
HOSP, BEDFORD, MA 01730

CYA USA

SO JOURNAL OF LABORATORY AND CLINICAL MEDICINE, (***MAY 1999***) Vol.
133, No. 5, pp. 507-515.

Publisher: MOSBY-YEAR BOOK INC, 11830 WESTLINE INDUSTRIAL DR, ST LOUIS, MO
63146-3318.

ISSN: 0022-2143.

DT Article; Journal

FS LIFE; CLIN

LA English
REC Reference Count: 26
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 58 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1999:324508 SCISEARCH
GA The Genuine Article (R) Number: 188EX
TI gamma-Secretase, evidence for multiple proteolytic activities and
influence of membrane positioning of substrate on generation of amyloid
beta peptides of varying length
AU Murphy M P; Hickman L J; Eckman C B; Uljon S N; Wang R; Golde T E
(Reprint)
CS MAYO CLIN JACKSONVILLE, DEPT PHARMACOL, 4500 SAN PABLO RD, JACKSONVILLE,
FL 32224 (Reprint); MAYO CLIN JACKSONVILLE, DEPT PHARMACOL, JACKSONVILLE,
FL 32224; UNIV PENN, DEPT NEUROSCI, PHILADELPHIA, PA 19010; ROCKEFELLER
UNIV, LAB MASS SPECTROMETRY, NEW YORK, NY 10021

CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***23 APR 1999***) Vol. 274, No. 17,
pp. 11914-11923.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 46
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 59 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1999:234956 SCISEARCH
GA The Genuine Article (R) Number: 177HJ
TI Distinct secretases, a cysteine protease and a serine protease, generate
the C termini of amyloid beta-proteins A beta(1-40) and A beta(1-42),
respectively
AU FigueiredoPereira M E; Efthimiopoulos S; Tezapsidis N; Buku A; Ghiso J;
Mehta P; Robakis N K (Reprint)
CS CUNY MT SINAI SCH MED, DEPT PSYCHIAT, 1 GUSTAVE L LEVY PL, BOX 1229, NEW
YORK, NY 10029 (Reprint); CUNY MT SINAI SCH MED, DEPT PSYCHIAT, NEW YORK,
NY 10029; CUNY MT SINAI SCH MED, FISHBERG RES CTR NEUROBIOL, NEW YORK, NY
10029; CUNY MT SINAI SCH MED, DEPT PHYSIOL BIOPHYS, NEW YORK, NY 10029;
CUNY HUNTER COLL, DEPT BIOL SCI, NEW YORK, NY 10021; NYU, DEPT PATHOL, NEW
YORK, NY 10016; NEW YORK STATE INST BASIC RES DEV DISABIL, STATEN ISL, NY
10314

CYA USA
SO JOURNAL OF NEUROCHEMISTRY, (***APR 1999***) Vol. 72, No. 4, pp.
1417-1422.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 227 EAST WASHINGTON SQ,
PHILADELPHIA, PA 19106.
ISSN: 0022-3042.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 29
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 60 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1999:216762 SCISEARCH
GA The Genuine Article (R) Number: 175FE
TI Pulse-chase experiments revealed ***beta*** - ***secretase***
cleavage from immature full-length amyloid precursor protein harboring the
Swedish mutation - Implications for distinct pathways
AU Urmoneit B (Reprint); Turner J; Dyrks T
CS UNIV DUSSELDORF, MOORENSTR 5, D-40225 DUSSELDORF, GERMANY (Reprint);
SCHERING AG, RES LABS, D-13342 BERLIN, GERMANY

CYA GERMANY
SO JOURNAL OF MOLECULAR NEUROSCIENCE, (***OCT 1998***) Vol. 11, No. 2,
pp. 141-150.
Publisher: HUMANA PRESS INC, 999 RIVERVIEW DRIVE SUITE 208, TOTOWA, NJ
07512.
ISSN: 0895-8696.

DT Article; Journal
FS LIFE
LA English

REC Reference Count: 35
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 61 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1998:860644 SCISEARCH
GA The Genuine Article (R) Number: 136WB
TI Blood brain barrier endothelial cells express candidate amyloid precursor protein-cleaving secretases
AU Simons E R; Marshall D C L; Long H J; Otto K; Billingslea A; Tibbles H; Wells J; Eisenhauer P; Fine R E; Cribbs D H; Davies T A; Abraham C R (Reprint)
CS BOSTON UNIV, SCH MED, DEPT BIOCHEM, 80 E CONCORD ST, K6, BOSTON, MA 02118 (Reprint); BOSTON UNIV, SCH MED, DEPT BIOCHEM, BOSTON, MA 02118; EDITH NOURSE ROGERS MEM VET ADM HOSP, BEDFORD, MA 01730; UNIV CALIF IRVINE, INST BRAIN AGING & DEMENTIA, IRVINE, CA 92717
CYA USA
SO AMYLOID-INTERNATIONAL JOURNAL OF EXPERIMENTAL AND CLINICAL INVESTIGATION, (***SEP 1998***) Vol. 5, No. 3, pp. 153-162.
Publisher: PARTHENON PUBLISHING GROUP, CASTERTON HALL, CARNFORTH LANCASHIRE LA6 2LA, ENGLAND.
ISSN: 1350-6129.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 41
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 62 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1998:842636 SCISEARCH
GA The Genuine Article (R) Number: 133PZ
TI Effect of oxidation of beta-amyloid precursor protein on its ***beta*** - ***secretase*** cleavage. A model study with synthetic peptides and candidate ***beta*** - ***secretases***
AU RapalaKozik M; Kozik A; Travis J (Reprint)
CS UNIV GEORGIA, DEPT BIOCHEM & MOL BIOL, LIFE SCI BLDG, A322, GREEN ST, ATHENS, GA 30602 (Reprint); UNIV GEORGIA, DEPT BIOCHEM & MOL BIOL, ATHENS, GA 30602; JAGIELLONIAN UNIV, INST MOL BIOL, KRAKOW, POLAND
CYA USA; POLAND
SO JOURNAL OF PEPTIDE RESEARCH, (***OCT 1998***) Vol. 52, No. 4, pp. 315-320.
Publisher: MUNKSGAARD INT PUBL LTD, 35 NORRE SOGADE, PO BOX 2148, DK-1016 COPENHAGEN, DENMARK.
ISSN: 1397-002X.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 30
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 63 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1998:842036 SCISEARCH
GA The Genuine Article (R) Number: 133NC
TI The long term adenoviral expression of the human amyloid precursor protein shows different secretase activities in rat cortical neurons and astrocytes
AU Macq A F; Czech C; Essalmani R; Brion J P; Maron A; Mercken L; Pradier L; Octave J N (Reprint)
CS UNIV CATHOLIQUE LOUVAIN, LAB EXPT PHARMACOL, FARL 5410, 54 AVE HIPPOCRATE, B-1200 BRUSSELS, BELGIUM (Reprint); UNIV CATHOLIQUE LOUVAIN, LAB EXPT PHARMACOL, FARL 5410, B-1200 BRUSSELS, BELGIUM; RHONE POULENC RORER, F-94400 VITRY SUR SEINE, FRANCE; FREE UNIV BRUSSELS, LAB PATHOL & ELECT MICROSCOPY, B-1070 BRUSSELS, BELGIUM
CYA BELGIUM; FRANCE
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***30 OCT 1998***) Vol. 273, No. 44, pp. 28931-28936.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.

DT Article; Journal
FS LIFE
LA English
REC Reference Count: 32
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 64 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1998:827927 SCISEARCH
GA The Genuine Article (R) Number: 131KW
TI Generation and regulation of beta-amyloid peptide variants by neurons
AU Gouras G K (Reprint); Xu H X; Jovanovic J N; Buxbaum J D; Wang R;
Greengard P; Relkin N R; Gandy S
CS ROCKEFELLER UNIV, FISHER CTR ALZHEIMER RES, 1230 YORK AVE, NEW YORK, NY
10021 (Reprint); ROCKEFELLER UNIV, MOL & CELLULAR NEUROSCI LAB, NEW YORK,
NY 10021; ROCKEFELLER UNIV, LAB MASS SPECTROMETRY, NEW YORK, NY 10021;
NYU, NS KLINE INST, ORANGEBURG, NY; ROCKEFELLER UNIV, LAB MASS
SPECTROMETRY, NEW YORK, NY 10021
CYA USA
SO JOURNAL OF NEUROCHEMISTRY, (***NOV 1998***) vol. 71, No. 5, pp.
1920-1925.
Publisher: LIPPINCOTT-RAVEN PUBL, 227 EAST WASHINGTON SQ, PHILADELPHIA, PA
19106.
ISSN: 0022-3042.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 50
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 65 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1998:819680 SCISEARCH
GA The Genuine Article (R) Number: 130TN
TI Brain endothelial cell enzymes cleave platelet-retained amyloid precursor
protein
AU Davies T A; Billingslea A M; Long H J; Tibbles H; Wells J M; Eisenhauer P
B; Smith S J; Cribbs D H; Fine R E; Simons E R (Reprint)
CS BOSTON UNIV, SCH MED, DEPT BIOCHEM, 80 E CONCORD ST, BOSTON, MA 02118
(Reprint); BOSTON UNIV, SCH MED, DEPT BIOCHEM, BOSTON, MA 02118; EDITH
NOURSE ROGERS MEM VET ADM HOSP, BEDFORD, MA 01730; UNIV CALIF IRVINE, INST
BRAIN AGING & DEMENTIA, IRVINE, CA 92717
CYA USA
SO JOURNAL OF LABORATORY AND CLINICAL MEDICINE, (***OCT 1998***) vol.
132, No. 4, pp. 341-350.
Publisher: MOSBY-YEAR BOOK INC, 11830 WESTLINE INDUSTRIAL DR, ST LOUIS, MO
63146-3318.
ISSN: 0022-2143.
DT Article; Journal
FS LIFE; CLIN
LA English
REC Reference Count: 54
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 66 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1998:686527 SCISEARCH
GA The Genuine Article (R) Number: 115XX
TI Characterization of ***beta*** - ***secretase***
AU Stephens D J (Reprint); Austen B M
CS ST GEORGE HOSP, SCH MED, DEPT SURG, CRANMER TERRACE, LONDON SW17 0RE,
ENGLAND (Reprint)
CYA ENGLAND
SO BIOCHEMICAL SOCIETY TRANSACTIONS, (***AUG 1998***) vol. 26, No. 3, pp.
500-504.
Publisher: PORTLAND PRESS, 59 PORTLAND PLACE, LONDON W1N 3AJ, ENGLAND.
ISSN: 0300-5127.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 20

L4 ANSWER 67 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1998:432560 SCISEARCH
GA The Genuine Article (R) Number: ZQ902
TI Lack of beta-amyloid production in M19 cells deficient in site 2
processing of the sterol regulatory element binding proteins
AU Manni M E; Cescato R; Paganetti P A (Reprint)
CS NOVARTIS PHARMA LTD, CH-4002 BASEL, SWITZERLAND (Reprint); NOVARTIS PHARMA
LTD, CH-4002 BASEL, SWITZERLAND

CYA SWITZERLAND
SO FEBS LETTERS, (***15 MAY 1998***) Vol. 427, No. 3, pp. 367-370.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
NETHERLANDS.
ISSN: 0014-5793.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 24
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 68 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1998:430982 SCISEARCH
GA The Genuine Article (R) Number: ZQ947
TI Regulation of amyloid precursor protein seer receptors in human Ntera 2
neurons (NT2N)
AU JollyTornetta C; Gao Z Y; Lee V M Y; Wolf B A (Reprint)
CS UNIV PENN, SCH MED, DEPT PATHOL & LAB MED, 230 JOHN MORGAN BLDG, 3620
HAMILTON WALK, PHILADELPHIA, PA 19104 (Reprint); UNIV PENN, SCH MED, DEPT
PATHOL & LAB MED, PHILADELPHIA, PA 19104
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***29 MAY 1998***) Vol. 273, No. 22,
pp. 14015-14021.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 44
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 69 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1998:137475 SCISEARCH
GA The Genuine Article (R) Number: YV928
TI Increased amyloidogenic secretion in cerebellar granule cells undergoing
apoptosis
AU Galli C (Reprint); Piccini A; Ciotti M T; Castellani L; Calissano P;
Zaccheo D; Tabaton M
CS CNR, IST NEUROBIOL, VIA K MARX 43, I-00137 ROME, ITALY (Reprint); UNIV
GENOA, IST ANAT UMANA, I-16132 GENOA, ITALY; UNIV GENOA, DIPARTIMENTO
NEUROSCI, I-16132 GENOA, ITALY; UNIV ROMA TOR VERGATA, DIPARTIMENTO MED
SPERIMENTALE & SCI BIOCHIM, I-00133 ROME, ITALY
CYA ITALY
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
AMERICA, (***3 FEB 1998***) Vol. 95, No. 3, pp. 1247-1252.
Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
20418.
ISSN: 0027-8424.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 33
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 70 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 1998:109681 SCISEARCH
GA The Genuine Article (R) Number: YU288
TI Hypothesis: beta amyloid precursor protein is a key sorting and targeting
receptor for neuropeptidases
AU Fine R E (Reprint); Abraham C R
CS BOSTON UNIV, SCH MED, DEPT BIOCHEM, K-124C, 80 E CONCORD ST, BOSTON, MA
02118 (Reprint); BOSTON UNIV, SCH MED, DEPT MED, BOSTON, MA 02118; EDITH
NOURSE ROGERS MEM VET ADM HOSP, BEDFORD, MA 01730
CYA USA
SO AMYLOID-INTERNATIONAL JOURNAL OF EXPERIMENTAL AND CLINICAL INVESTIGATION,
(***DEC 1997***) Vol. 4, No. 4, pp. 233-239.
Publisher: PARTHENON PUBLISHING GROUP, CASTERTON HALL, CARNFORTH
LANCASHIRE, ENGLAND LA6 2LA.
ISSN: 1350-6129.
DT Article; Journal
FS LIFE
LA English

REC Reference Count: 38
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 71 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 1998:80964 SCISEARCH
GA The Genuine Article (R) Number: YT444
TI Deficiency of presenilin-1 inhibits the normal cleavage of amyloid precursor protein
AU DeStrooper B; Saftig P (Reprint); Craessaerts K; Vanderstichele H; Guhde G; Annaert W; VonFigura K; VanLeuven F
CS KATHOLIEKE UNIV LEUVEN, CTR HUMAN GENET, FLEMISH INST BIOTECHNOL VIB4, EXPT GENET GRP, LOUVAIN, BELGIUM (Reprint); KATHOLIEKE UNIV LEUVEN, CTR HUMAN GENET, FLEMISH INST BIOTECHNOL VIB4, EXPT GENET GRP, LOUVAIN, BELGIUM; INNOGENET NV, B-9057 GHENT, BELGIUM; UNIV GOTTINGEN, ZENTRUM BIOCHEM & MOL ZELLBIOOL, BIOCHEM ABT 2, D-37073 GOTTINGEN, GERMANY
CYA BELGIUM; GERMANY
SO NATURE, (***22 JAN 1998***) Vol. 391, No. 6665, pp. 387-390.
Publisher: MACMILLAN MAGAZINES LTD, PORTERS SOUTH, 4 CRINAN ST, LONDON, ENGLAND N1 9XW.
ISSN: 0028-0836.

DT Article; Journal
FS PHYS; LIFE; AGRI
LA English

REC Reference Count: 29
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 72 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 97:751890 SCISEARCH
GA The Genuine Article (R) Number: XZ449
TI Late compartments of amyloid precursor protein transport in SY5Y cells are involved in beta-amyloid secretion
AU Peraus G C (Reprint); Masters C L; Beyreuther K
CS UNIV HEIDELBERG, CTR MOL BIOL HEIDELBERG, D-69120 HEIDELBERG, GERMANY (Reprint); UNIV MELBOURNE, DEPT PATHOL, PARKVILLE, VIC 3052, AUSTRALIA
CYA GERMANY; AUSTRALIA
SO JOURNAL OF NEUROSCIENCE, (***15 OCT 1997***) Vol. 17, No. 20, pp. 7714-7724.
Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE 500, WASHINGTON, DC 20036.
ISSN: 0270-6474.

DT Article; Journal
FS LIFE
LA English

REC Reference Count: 44
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 73 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 97:692679 SCISEARCH
GA The Genuine Article (R) Number: XV868
TI Expression and characterization of human ***beta*** - ***secretase*** candidates metalloendopeptidase MP78 and cathepsin D in beta APP-overexpressing cells
AU Thompson A; GrueningerLeitch F; Huber G; Malherbe P (Reprint)
CS F HOFFMANN LA ROCHE & CO LTD, PRECLIN CNS RES, DIV PHARMA, BLDG 69-333, CH-4070 BASEL, SWITZERLAND (Reprint); F HOFFMANN LA ROCHE & CO LTD, PRECLIN CNS RES, DIV PHARMA, CH-4070 BASEL, SWITZERLAND; F HOFFMANN LA ROCHE & CO LTD, GENE TECHNOL, CH-4070 BASEL, SWITZERLAND
CYA SWITZERLAND
SO MOLECULAR BRAIN RESEARCH, (***SEP 1997***) Vol. 48, No. 2, pp. 206-214.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS.
ISSN: 0169-328X.

DT Article; Journal
FS LIFE
LA English

REC Reference Count: 29
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 74 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 97:688067 SCISEARCH
GA The Genuine Article (R) Number: XV492

TI Unaltered secretion of beta-amyloid precursor protein in gelatinase a
(matrix metalloproteinase 2)-deficient mice
AU Itoh T; Ikeda T; Gomi H; Nakao S; Suzuki T; Itohara S (Reprint)
CS KYOTO UNIV, INST VIRUS RES, SAKYO KU, 53 KAWAHARA, KYOTO 60601, JAPAN
(Reprint); KYOTO UNIV, INST VIRUS RES, SAKYO KU, KYOTO 60601, JAPAN; UNIV
TOKYO, FAC PHARMACEUT SCI, BUNKYO KU, TOKYO 113, JAPAN
CYA JAPAN
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***5 SEP 1997***) Vol. 272, No. 36,
pp. 22389-22392.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 24
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 75 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 97:628826 SCISEARCH
GA The Genuine Article (R) Number: XR478
TI Novel ***beta*** - ***secretase*** cleavage of beta-amyloid
precursor protein in the endoplasmic reticulum intermediate compartment of
NT2N cells
AU Chyung A S C; Greenberg B D; Cook D G; Doms R W; Lee V M Y (Reprint)
CS UNIV PENN, SCH MED, DEPT PATHOL & LAB MED, 3RD FLOOR MALONEY, HUP,
PHILADELPHIA, PA 19104 (Reprint); UNIV PENN, SCH MED, DEPT PATHOL & LAB
MED, PHILADELPHIA, PA 19104; CEPHALON INC, W CHESTER, PA 19380
CYA USA
SO JOURNAL OF CELL BIOLOGY, (***11 AUG 1997***) Vol. 138, No. 3, pp.
671-680.
Publisher: ROCKEFELLER UNIV PRESS, 1114 FIRST AVE, 4TH FL, NEW YORK, NY
10021.
ISSN: 0021-9525.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 56
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 76 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 97:418468 SCISEARCH
GA The Genuine Article (R) Number: XA406
TI Examination of the role of endopeptidase 3.4.24.15 in A beta secretion by
human transfected cells
AU Chevallier N; Jiracek J; Vincent B; Baur C P; Spillantini M G; Goedert M;
Dive V; Checler F (Reprint)
CS CNRS, INST PHARMACOL MOL & CELLULAIRE, UPR411, 660 ROUTE LUCIOLES, SOPHIA
ANTIPOLIS, F-06560 VALBONNE, FRANCE (Reprint); CNRS, INST PHARMACOL MOL &
CELLULAIRE, UPR411, F-06560 VALBONNE, FRANCE; ACAD SCI CZECH REPUBL, INST
ORGAN CHEM & BIOCHEM, CR-16610 PRAGUE 6, CZECH REPUBLIC; MRC, MOL BIOL
LAB, CAMBRIDGE CB2 2QH, ENGLAND; CTR ETUD SACLAY, CEN, DEPT INGN & ETUD
PROT, DSV, F-91191 GIF SUR YVETTE, FRANCE
CYA FRANCE; CZECH REPUBLIC; ENGLAND
SO BRITISH JOURNAL OF PHARMACOLOGY, (***JUN 1997***) Vol. 121, No. 3, pp.
556-562.
Publisher: STOCKTON PRESS, HOUNDMILLS, BASINGSTOKE, HAMPSHIRE, ENGLAND
RG21 6XS.
ISSN: 0007-1188.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 42
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 77 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 97:276400 SCISEARCH
GA The Genuine Article (R) Number: WQ588
TI Cathepsin D displays in vitro ***beta*** - ***secretase*** -like
specificity
AU Chevallier N; Vizzavona J; Marambaud P; Baur C P; Spillantini M; Fulcrand
P; Martinez J; Goedert M; Vincent J P; Checler F (Reprint)
CS CNRS, INST PHARMACOL MOL & CELLULAIRE, 660 ROUTE LUCIOLES, F-06560

VALBONNE, FRANCE (Reprint); CNRS, INST PHARMACOL MOL & CELLULAIRE, F-06560
VALBONNE, FRANCE; URA CNRS 1845, F-34060 MONTPELLIER 1, FRANCE; MRC, MOL
BIOL LAB, CAMBRIDGE CB2 2QH, ENGLAND

CY A FRANCE; ENGLAND
SO BRAIN RESEARCH, (***7 MAR 1997***) Vol. 750, No. 1-2, pp. 11-19.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
NETHERLANDS.

DT Article; Journal
FS LIFE
LA English

REC Reference Count: 38
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 78 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 97:87398 SCISEARCH

GA The Genuine Article (R) Number: WD058
TI Ectodomain phosphorylation of beta-amyloid precursor protein at two
distinct cellular locations

AU Walter J; Capell A; Hung A Y; Langen H; Schnolzer M; Thinakaran G; Sisodia
S S; Selkoe D J; Haass C (Reprint)

CS ZENT INST SEEL GESUNDHEIT, MOL BIOL ABT J5, D-68159 MANNHEIM, GERMANY
(Reprint); ZENT INST SEEL GESUNDHEIT, MOL BIOL ABT J5, D-68159 MANNHEIM,
GERMANY; F HOFFMANN LA ROCHE & CO LTD, PHARMACEUT RES, GENE TECHNOL,
CH-4070 BASEL, SWITZERLAND; GERMAN CANC RES CTR, DEPT CELL BIOL, D-69120
HEIDELBERG, GERMANY; HARVARD UNIV, SCH MED, DEPT NEUROL, BOSTON, MA 02115;
HARVARD UNIV, SCH MED, NEUROSCI PROGRAM, BOSTON, MA 02115; BRIGHAM &
WOMENS HOSP, CTR NEUROL DIS, BOSTON, MA 02115; JOHNS HOPKINS UNIV, SCH
MED, NEUROPATHOL LAB, BALTIMORE, MD 21205

CY A GERMANY; SWITZERLAND; USA

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***17 JAN 1997***) Vol. 272, No. 3,
pp. 1896-1903.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.

ISSN: 0021-9258.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 70

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 79 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 96:910996 SCISEARCH

GA The Genuine Article (R) Number: VW686

TI ***beta*** - ***secretase*** processing of the beta-amyloid
precursor protein in transgenic mice is efficient in neurons but
inefficient in astrocytes

AU Zhao J; Paganini L; Mucke L; Gordon M; Refolo L; Carman M; Sinha S;
Oltersdorf T; Lieberburg I; McConlogue L (Reprint)

CS ATHENA NEUROSCI INC, 800 GATEWAY BLVD, S SAN FRANCISCO, CA 94080
(Reprint); ATHENA NEUROSCI INC, S SAN FRANCISCO, CA 94080; UNIV CALIF SAN
FRANCISCO, GLADSTONE MOL NEUROBIOL PROGRAM, SAN FRANCISCO, CA 94141; UNIV
CALIF SAN FRANCISCO, DEPT NEUROL, SAN FRANCISCO, CA 94141

CY A USA

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***6 DEC 1996***) Vol. 271, No. 49,
pp. 31407-31411.

Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
PIKE, BETHESDA, MD 20814.

ISSN: 0021-9258.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 39

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 80 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 96:893206 SCISEARCH

GA The Genuine Article (R) Number: VW158

TI The alternatively spliced Kunitz protease inhibitor domain alters amyloid
beta protein precursor processing and amyloid beta protein production in
cultured cells

AU Ho L B; Fukuchi K; Younkin S G (Reprint)

CS MAYO CLIN JACKSONVILLE, 4500 SAN PABLO RD, JACKSONVILLE, FL 32224

(Reprint); MAYO CLIN JACKSONVILLE, JACKSONVILLE, FL 32224; CASE WESTERN RESERVE UNIV, DEPT NEUROSCI, CLEVELAND, OH 44106; UNIV ALABAMA, DEPT COMPARAT MED, BIRMINGHAM, AL 35294

CY A USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***29 NOV 1996***) Vol. 271, No. 48, pp. 30929-30934.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 42
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 81 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:815336 SCISEARCH
GA The Genuine Article (R) Number: VQ856
TI AMYLOID PRECURSOR PROTEIN TRUNCATED AT ANY OF THE GAMMA-SECRETASE SITES IS NOT CLEAVED TO BETA-AMYLOID
AU PAGANELLI P A (Reprint); LIS M; KLAFKI H W; STAUFENBIEL M
CS SANDOZ RES INST BERNE LTD, CENT NERVOUS SYST, CH-3001 BERN, SWITZERLAND
(Reprint); SANDOZ PHARMA LTD, PRECLIN RES, CH-4002 BASEL, SWITZERLAND
CY A SWITZERLAND
SO JOURNAL OF NEUROSCIENCE RESEARCH, (***01 NOV 1996***) Vol. 46, No. 3, pp. 283-293.
ISSN: 0360-4012.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 34
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 82 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:807417 SCISEARCH
GA The Genuine Article (R) Number: VQ500
TI METABOLITES OF THE BETA-AMYLOID PRECURSOR PROTEIN GENERATED BY ***BETA*** - ***SECRETASE*** LOCALIZE TO THE TRANS-GOLGI NETWORK AND LATE ENDOSOME IN 293 CELLS
AU STEPHENS D J; AUSTEN B M (Reprint)
CS ST GEORGE HOSP, SCH MED, DEPT SURG, CRANMER TERRACE, LONDON SW17 0RE, ENGLAND (Reprint); ST GEORGE HOSP, SCH MED, DEPT SURG, LONDON SW17 0RE, ENGLAND
CY A ENGLAND
SO JOURNAL OF NEUROSCIENCE RESEARCH, (***15 OCT 1996***) Vol. 46, No. 2, pp. 211-225.
ISSN: 0360-4012.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 53
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 83 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:695136 SCISEARCH
GA The Genuine Article (R) Number: VH207
TI SUBSTITUTION OF PHENYLALANINE BY PROLINE AT POSITION-19 OF AMYLOID-BETA PEPTIDE RESULTS IN AN INCREASED PRODUCTION OF AMYLOID-BETA PEPTIDES WITH ALTERNATIVE N-TERMINI AFTER PROTEIN-KINASE-C STIMULATION
AU CAPELL A; TEPLow D B; CITRON M; SELKOE D J; HAASS C (Reprint)
CS UNIV HEIDELBERG, CENT INST MENTAL HLTH, DEPT MOL BIOL, D-68195 MANNHEIM, GERMANY (Reprint); UNIV HEIDELBERG, CENT INST MENTAL HLTH, DEPT MOL BIOL, D-68195 MANNHEIM, GERMANY; BRIGHAM & WOMENS HOSP, CTR NEUROL DIS, BOSTON, MA, 02115; BRIGHAM & WOMENS HOSP, BIOPOLYMER LAB, BOSTON, MA, 02115; HARVARD UNIV, SCH MED, BOSTON, MA, 02115
CY A GERMANY; USA
SO AMYLOID-INTERNATIONAL JOURNAL OF EXPERIMENTAL AND CLINICAL INVESTIGATION, (***SEP 1996***) Vol. 3, No. 3, pp. 150-155.
ISSN: 1350-6129.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 30

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 84 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:687947 SCISEARCH
GA The Genuine Article (R) Number: VH768
TI ENHANCED AMYLOIDOGENIC PROCESSING OF THE BETA-AMYLOID PRECURSOR PROTEIN IN
GENE-TARGETED MICE BEARING THE SWEDISH FAMILIAL ***ALZHEIMERS*** -
DISEASE MUTATIONS AND A HUMANIZED A-BETA SEQUENCE
AU REAUME A G; HOWLAND D S; TRUSKO S P; SAVAGE M J; LANG D M; GREENBERG B D;
SIMAN R; SCOTT R W (Reprint)
CS CEPHALON INC, 145 BRANDYWINE PKWY, W CHESTER, PA, 19380 (Reprint);
CEPHALON INC, W CHESTER, PA, 19380
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***20 SEP 1996***) Vol. 271, No. 38,
pp. 23380-23388.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 71
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 85 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:552584 SCISEARCH
GA The Genuine Article (R) Number: UY981
TI INHIBITION OF AMYLOID BETA-PROTEIN PRODUCTION IN NEURAL CELLS BY THE
SERINE-PROTEASE INHIBITOR AEBSF
AU CITRON M (Reprint); DIEHL T S; CAPELL A; HAASS C; TEPLow D B; SELKOE D J
CS HARVARD UNIV, SCH MED, DEPT NEUROL, BOSTON, MA, 02115 (Reprint); UNIV
HEIDELBERG, ZENT INST SEEL GESUNDHEIT, D-68159 MANNHEIM, GERMANY; HARVARD
UNIV, SCH MED, DEPT NEUROL, BOSTON, MA, 02115; BRIGHAM & WOMENS HOSP, CTR
NEUROL DIS, BOSTON, MA, 02115; BRIGHAM & WOMENS HOSP, BIOPOLYMER LAB,
BOSTON, MA, 02115
CYA USA; GERMANY
SO NEURON, (***JUL 1996***) Vol. 17, No. 1, pp. 171-179.
ISSN: 0896-6273.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 39
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 86 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:543005 SCISEARCH
GA The Genuine Article (R) Number: UX216
TI OVEREXPRESSION OF A COOH-TERMINAL FRAGMENT OF BETA-AMYLOID PRECURSOR
PROTEIN IN HELA-CELLS RESULTS IN ACCUMULATION IN A PRE-GOLGI COMPARTMENT
AND GENERATION OF AN A-BETA-LIKE FRAGMENT
AU KUENTZEL S L; GONZALEZDEWHITT P A; LOWERY D E; ALTMAN R A; LEONE J W;
HEINRIKSON R L; GREENBERG B D; RAUB T J (Reprint)
CS UPJOHN CO, UPJOHN LABS, DRUG DELIVERY SYST RES, KALAMAZOO, MI, 49001
(Reprint); UPJOHN CO, UPJOHN LABS, DRUG DELIVERY SYST RES, KALAMAZOO, MI,
49001; UPJOHN CO, UPJOHN LABS, MOLEC BIOL RES, KALAMAZOO, MI, 49001;
UPJOHN CO, UPJOHN LABS, CENT NERVOUS SYST RES, KALAMAZOO, MI, 49001;
UPJOHN CO, UPJOHN LABS, BIOCHEM, KALAMAZOO, MI, 49001; CEPHALON INC, W
CHESTER, PA, 19380; UPJOHN CO, UPJOHN LABS, ANIM HLTH DISCOVERY RES,
KALAMAZOO, MI, 49001; MILES INC, DIV PHARMACEUT, INST MOLEC BIOL, WEST
HAVEN, CT, 06516
CYA USA
SO AMYLOID-INTERNATIONAL JOURNAL OF EXPERIMENTAL AND CLINICAL INVESTIGATION,
(***JUN 1996***) Vol. 3, No. 2, pp. 86-99.
ISSN: 1350-6129.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 57
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 87 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:515204 SCISEARCH
GA The Genuine Article (R) Number: UV615
TI HUMAN BRAIN ***BETA*** - ***SECRETASE*** CONTAINS HEPARAN-SULFATE

GLYCOCONJUGATES

AU MATSUMOTO A (Reprint); MATSUMOTO R; ENOMOTO T; BABA H
 CS KOBE UNIV, SCH MED, DEPT RADIAT BIOPHYS & GENET, KUSUNOKI CHO 7-5-1, KOBE 650, JAPAN (Reprint); OSAKA TEISHIN HOSP, DEPT INTERNAL MED 1, OSAKA 543, JAPAN; KOBE UNIV, SCH MED, DEPT INTERNAL MED 3, KOBE 650, JAPAN
 CYA JAPAN
 SO NEUROSCIENCE LETTERS, (***21 JUN 1996***) Vol. 211, No. 2, pp. 105-108.
 ISSN: 0304-3940.
 DT Article; Journal
 FS LIFE
 LA ENGLISH
 REC Reference Count: 20
 ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 88 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
 on STN

AN 96:404944 SCISEARCH
 GA The Genuine Article (R) Number: UL589
 TI EVALUATION OF CATHEPSIN-D AND CATHEPSIN-G AND EC.3.4.24.15 AS CANDIDATE ***BETA*** - ***SECRETASE*** PROTEASES USING PEPTIDE AND AMYLOID PRECURSOR PROTEIN SUBSTRATES

AU BROWN A M; TUMMOLO D M; SPRUYT M A; JACOBSEN J S; SONNENBERGREINES J (Reprint)

CS WYETH AYERST RES, CNS DISORDERS, PRINCETON, NJ, 08543 (Reprint); WYETH AYERST RES, CNS DISORDERS, PRINCETON, NJ, 08543

CYA USA

SO JOURNAL OF NEUROCHEMISTRY, (***JUN 1996***) Vol. 66, No. 6, pp. 2436-2445.

ISSN: 0022-3042.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 45

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 89 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
 on STN

AN 96:404055 SCISEARCH
 GA The Genuine Article (R) Number: UM083
 TI EFFECT OF ALKALIZING AGENTS ON THE PROCESSING OF THE BETA-AMYLOID PRECURSOR PROTEIN

AU SCHRADERFISCHER G; PAGANETTI P A (Reprint)

CS SANDOZ RES INST BERNE LTD, CH-3001 BERN, SWITZERLAND (Reprint); SANDOZ RES INST BERNE LTD, CH-3001 BERN, SWITZERLAND

CYA SWITZERLAND

SO BRAIN RESEARCH, (***15 APR 1996***) Vol. 716, No. 1-2, pp. 91-100.

ISSN: 0006-8993.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 44

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 90 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
 on STN

AN 96:359561 SCISEARCH
 GA The Genuine Article (R) Number: BF30Z
 TI APP GENE FAMILY - ALTERNATIVE SPLICING GENERATES FUNCTIONALLY RELATED ISOFORMS

AU SANDBRINK R (Reprint); MASTERS C L; BEYREUTHER K

CS UNIV HEIDELBERG, ZENTRUM MOLEK BIOL HEIDELBERG, NEUENHEIMER FELD 282, D-69120 HEIDELBERG, GERMANY (Reprint); UNIV MELBOURNE, DEPT PATHOL, PARKVILLE, VIC 3052, AUSTRALIA

CYA GERMANY; AUSTRALIA

SO ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (***1996***) Vol. 777, pp. 281-287.

ISSN: 0077-8923.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 19

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 91 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
 on STN

AN 96:359529 SCISEARCH
GA The Genuine Article (R) Number: BF30Z
TI THE ROLE OF APP PROCESSING AND TRAFFICKING PATHWAYS IN THE FORMATION OF
AMYLOID BETA-PROTEIN
AU SELKOE D J (Reprint); YAMAZAKI T; CITRON M; PODLISNY M B; KOO E H; TEPLow
D B; HAASS C
CS HARVARD UNIV, BRIGHAM & WOMENS HOSP, SCH MED, CTR NEUROL, DEPT NEUROL, 221
LONGWOOD AVE, BOSTON, MA, 02115 (Reprint)
CYA USA
SO ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (***1996***) Vol. 777, pp.
57-64.
ISSN: 0077-8923.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 19
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 92 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 96:303945 SCISEARCH
GA The Genuine Article (R) Number: UE730
TI ENHANCED RELEASE OF AMYLOID BETA-PROTEIN FROM CODON-670/671 SWEDISH MUTANT
BETA-AMYLOID PRECURSOR PROTEIN OCCURS IN BOTH SECRETORY AND ENDOCYTIC
PATHWAYS
AU PEREZ R G; SQUAZZO S L; KOO E H (Reprint)
CS HARVARD UNIV, BRIGHAM & WOMENS HOSP, SCH MED, CTR NEUROL DIS, 221 LONGWOOD
AVE, LMRC 114, BOSTON, MA, 02115 (Reprint); HARVARD UNIV, BRIGHAM & WOMENS
HOSP, SCH MED, CTR NEUROL DIS, BOSTON, MA, 02115; HARVARD UNIV, BRIGHAM &
WOMENS HOSP, SCH MED, DEPT NEUROL, BOSTON, MA, 02115; HARVARD UNIV,
BRIGHAM & WOMENS HOSP, SCH MED, DEPT PATHOL, BOSTON, MA, 02115
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***12 APR 1996***) Vol. 271, No. 15,
pp. 9100-9107.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 42
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 93 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 96:303429 SCISEARCH
GA The Genuine Article (R) Number: UE776
TI MONOClonAL-ANTIBODIES AGAINST THE HUMAN METALLOPROTEASE EC-3.4.24.15 LABEL
NEUROFIBRILLARY TANGLES IN ***ALZHEIMERS*** - ***DISEASE*** BRAIN
AU CONN K J; PIETROPAOLO M; JU S T; ABRAHAM C R (Reprint)
CS BOSTON UNIV, SCH MED, CTR ARTHRITIS, DEPT MED, K-5, 80 E CONCORD ST,
BOSTON, MA, 02118 (Reprint); BOSTON UNIV, SCH MED, CTR ARTHRITIS, DEPT
MED, BOSTON, MA, 02118; BOSTON UNIV, SCH MED, DEPT BIOCHEM, BOSTON, MA,
02118; BOSTON UNIV, SCH MED, DEPT PATHOL, BOSTON, MA, 02118
CYA USA
SO JOURNAL OF NEUROCHEMISTRY, (***MAY 1996***) Vol. 66, No. 5, pp.
2011-2018.
ISSN: 0022-3042.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 46
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 94 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 96:91506 SCISEARCH
GA The Genuine Article (R) Number: TQ573
TI AMYLOIDOGENIC PROCESSING OF THE HUMAN AMYLOID PRECURSOR PROTEIN IN PRIMARY
CULTURES OF RAT HIPPOCAMPAL-NEURONS
AU SIMONS M; DESTROOPER B; MULTHAUP G; TIENARI P J; DOTTI C G; BEYREUTHER K
(Reprint)
CS UNIV HEIDELBERG, CTR MOLEC BIOL HEIDELBERG ZMBH, NEUENHEIMER FELD 282,
D-69120 HEIDELBERG, GERMANY (Reprint); UNIV HEIDELBERG, CTR MOLEC BIOL
HEIDELBERG ZMBH, D-69120 HEIDELBERG, GERMANY; EUROPEAN MOLEC BIOL LAB,
CELL BIOL PROGRAM, D-69012 HEIDELBERG, GERMANY; CATHOLIC UNIV LEUVEN, CTR
HUMAN GENET, B-3000 LOUVAIN, BELGIUM
CYA GERMANY; BELGIUM

SO JOURNAL OF NEUROSCIENCE, (***01 FEB 1996***) Vol. 16, No. 3, pp. 899-908.
ISSN: 0270-6474.

DT Article; Journal
FS SOCSEARCH; LIFE
LA ENGLISH

REC Reference Count: 53
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 95 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:77903 SCISEARCH
GA The Genuine Article (R) Number: TP754
TI INTRACELLULAR GENERATION OF AMYLOID BETA-PROTEIN FROM AMYLOID BETA-PROTEIN PRECURSOR FRAGMENT BY DIRECT CLEAVAGE WITH ***BETA*** - ***SECRETASE*** AND GAMMA-SECRETASE

AU IIZUKA T; SHOJI M (Reprint); KAWARABAYASHI T; SATO M; KOBAYASHI T; TADA N; KASAI K; MATSUBARA E; WATANABE M; TOMIDOKORO Y; HIRAI S
CS GUNMA UNIV, SCH MED, DEPT NEUROL, 3-39-15 SHOWA MACHI, MAEBASHI, GUMMA 371, JAPAN (Reprint); GUNMA UNIV, SCH MED, DEPT NEUROL, MAEBASHI, GUMMA 371, JAPAN; HOECHST JAPAN LTD, PHARMA RES & DEV DIV, LAB ANIM CTR, KAWAGOE, SAITAMA 35011, JAPAN

CYA JAPAN
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (***05 JAN 1996***) Vol. 218, No. 1, pp. 238-242.
ISSN: 0006-291X.

DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 36
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 96 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 96:48451 SCISEARCH
GA The Genuine Article (R) Number: TM328
TI GELATINASE-A POSSESSES A ***BETA*** - ***SECRETASE*** -LIKE ACTIVITY IN CLEAVING THE AMYLOID PROTEIN-PRECURSOR OF ***ALZHEIMERS*** - ***DISEASE***

AU LEPAGE R N; FOSANG A J; FULLER S J; MURPHY G; EVIN G; BEYREUTHER K; MASTERS C L; SMALL D H (Reprint)
CS UNIV MELBOURNE, DEPT PATHOL, MELBOURNE NERVE GROWTH RES UNIT, MOLEC NEUROBIOL LAB, PARKVILLE, VIC 3052, AUSTRALIA (Reprint); UNIV MELBOURNE, DEPT PATHOL, MELBOURNE NERVE GROWTH RES UNIT, MOLEC NEUROBIOL LAB, PARKVILLE, VIC 3052, AUSTRALIA; UNIV MELBOURNE, DEPT PATHOL, PARKVILLE, VIC 3052, AUSTRALIA; UNIV MELBOURNE, DEPT PAEDIAT, ORTHOPAED MOLEC BIOL RES UNIT, PARKVILLE, VIC 3052, AUSTRALIA; STRANGEWAYS RES LAB, CAMBRIDGE CB1 4RN, ENGLAND; UNIV HEIDELBERG, CTR MOLEC BIOL, W-6900 HEIDELBERG, GERMANY

CYA AUSTRALIA; ENGLAND; GERMANY
SO FEBS LETTERS, (***18 DEC 1995***) Vol. 377, No. 2, pp. 267-270.
ISSN: 0014-5793.

DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 22
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 97 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 95:846570 SCISEARCH
GA The Genuine Article (R) Number: TH786
TI THE SWEDISH MUTATION CAUSES EARLY-ONSET ***ALZHEIMERS*** - ***DISEASE*** BY ***BETA*** - ***SECRETASE*** CLEAVAGE WITHIN THE SECRETORY PATHWAY

AU HAASS C (Reprint); LEMERE C A; CAPELL A; CITRON M; SEUBERT P; SCHENK D; LANNFELT L; SELKOE D J
CS HARVARD UNIV, BRIGHAM & WOMENS HOSP, SCH MED, CTR NEUROL DIS, BOSTON, MA, 02115 (Reprint); UNIV HEIDELBERG, CENT INST MENTAL HLTH, DEPT MOLEC BIOL, D-68159 MANNHEIM, GERMANY; ATHENA NEUROSCI INC, S SAN FRANCISCO, CA, 94080; KAROLINSKA INST, DEPT GERIATR MED B56, S-14186 HUDDINGE, SWEDEN

CYA USA; GERMANY; SWEDEN
SO NATURE MEDICINE, (***DEC 1995***) Vol. 1, No. 12, pp. 1291-1296.
ISSN: 1078-8956.

DT Article; Journal
FS LIFE; CLIN

LA ENGLISH
REC Reference Count: 33
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 98 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 95:742107 SCISEARCH
GA The Genuine Article (R) Number: TA741
TI INHIBITION OF BETA-A4 PRODUCTION BY SPECIFIC MODULATION OF ***BETA*** -
SECRETASE ACTIVITY
AU URMONEIT B; REINSCH C; TURNER J (Reprint); CZECH C; BEYREUTHER K; DYRK T
CS SCHERING AG, RES LABS, D-13342 BERLIN, GERMANY (Reprint); SCHERING AG, RES
LABS, D-13342 BERLIN, GERMANY; UNIV HEIDELBERG, CTR BIOL MOLEC,
HEIDELBERG, GERMANY
CYA GERMANY
SO JOURNAL OF MOLECULAR NEUROSCIENCE, (***1995***) Vol. 6, No. 1, pp.
23-32.
ISSN: 0895-8696.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 22
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 99 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 95:730327 SCISEARCH
GA The Genuine Article (R) Number: TA184
TI BRAIN CATHEPSIN-B BUT NOT METALLOENDOPEPTIDASES DEGRADE RAPP(751) WITH
PRODUCTION OF AMYLOIDGENIC FRAGMENTS - COMPARISON WITH SYNTHETIC PEPTIDES
EMULATING ***BETA*** - ***SECRETASE*** AND GAMMA-SECRETASE SITES
AU MARKS N (Reprint); BERG M J; SAPIRSTEIN V S; DURRIE R; SWISTOK J; MAKOFSKY
R C; DANHO W
CS NATHAN S KLINE INST PSYCHIAT RES, DEPT NEUROCHEM, 140 OLD ORANGEBURG RD,
ORANGEBURG, NY, 10962 (Reprint); NATHAN S KLINE INST PSYCHIAT RES, DEPT
NEUROBIOL, ORANGEBURG, NY, 10962; NYU, SCH MED, DEPT PSYCHIAT, NUTLEY, NJ,
00000; ROCHE RES CTR, NUTLEY, NJ, 00000
CYA USA
SO INTERNATIONAL JOURNAL OF PEPTIDE AND PROTEIN RESEARCH, (***SEP/OCT***
*** 1995***) Vol. 46, No. 3-4, pp. 306-313.
ISSN: 0367-8377.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 50
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 100 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 95:555710 SCISEARCH
GA The Genuine Article (R) Number: RP189
TI AMYLOID-BETA AMYLOIDOSIS IN ***ALZHEIMERS*** - ***DISEASE***
AU PRICE D L (Reprint); SISODIA S S; GANDY S E
CS JOHNS HOPKINS UNIV, SCH MED, NEUROPATHOL LAB, 558 ROSS RES BLDG, 720
RUTLAND AVE, BALTIMORE, MD, 21205 (Reprint); JOHNS HOPKINS UNIV, SCH MED,
DEPT PATHOL, BALTIMORE, MD, 21205; JOHNS HOPKINS UNIV, SCH MED, DEPT
NEUROL, BALTIMORE, MD, 21205; JOHNS HOPKINS UNIV, SCH MED, DEPT NEUROSCI,
BALTIMORE, MD, 21205; CORNELL UNIV, MED CTR, NEW YORK HOSP, DEPT NEUROL,
NEW YORK, NY, 10021; CORNELL UNIV, MED CTR, NEW YORK HOSP, DEPT NEUROSCI,
NEW YORK, NY, 10021
CYA USA
SO CURRENT OPINION IN NEUROLOGY, (***AUG 1995***) Vol. 8, No. 4, pp.
268-274.
ISSN: 1350-7540.
DT Article; Journal
FS CLIN
LA ENGLISH
REC Reference Count: 71
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 101 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 95:520955 SCISEARCH
GA The Genuine Article (R) Number: RL488
TI MUTANT AND NATIVE HUMAN BETA-AMYLOID PRECURSOR PROTEINS IN TRANSGENIC
MOUSE-BRAIN

AU HOWLAND D S (Reprint); SAVAGE M J; HUNTRESS F A; WALLACE R E; SCHWARTZ D A; LOH T; MELLONI R H; DEGENNARO L J; GREENBERG B D; SIMAN R; SWANSON M E; SCOTT R W

CS CEPHALON INC, 145 BRANDYWINE PKWY, W CHESTER, PA, 19380 (Reprint); DNX INC, PRINCETON, NJ, 08540; UNIV MASSACHUSETTS, SCH MED, WORCESTER, MA, 01655

CYA USA

SO NEUROBIOLOGY OF AGING, (***JUL/AUG 1995***) Vol. 16, No. 4, pp. 685-699.

ISSN: 0197-4580.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 71

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 102 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 95:315697 SCISEARCH

GA The Genuine Article (R) Number: QW601

TI THE RAS-RELATED GTP-BINDING PROTEIN, RAB1B, REGULATES EARLY STEPS IN EXOCYTIC TRANSPORT AND PROCESSING OF BETA-AMYLOID PRECURSOR PROTEIN

AU DUGAN J M; DEWIT C; MCCONLOGUE L; MALTESE W A (Reprint)

CS WEIS CTR RES, GEISINGER CLIN, 100 N ACAD AVE, DANVILLE, PA, 17822 (Reprint); WEIS CTR RES, GEISINGER CLIN, DANVILLE, PA, 17822; ATHENA NEUROSCI, S SAN FRANCISCO, CA, 94080

CYA USA

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***05 MAY 1995***) Vol. 270, No. 18, pp. 10982-10989.

ISSN: 0021-9258.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 73

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 103 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 95:222554 SCISEARCH

GA The Genuine Article (R) Number: QP451

TI ROLE OF THE BETA-AMYLOID PROTEIN IN ***ALZHEIMERS*** - ***DISEASE***

AU SISODIA S S (Reprint); PRICE D L

CS JOHNS HOPKINS UNIV, SCH MED, NEUROPATHOL LAB, 558 ROSS RES BLDG, 720 RUTLAND AVE, BALTIMORE, MD, 21205 (Reprint); JOHNS HOPKINS UNIV, SCH MED, DEPT PATHOL, BALTIMORE, MD, 21205; JOHNS HOPKINS UNIV, SCH MED, DEPT NEUROL, BALTIMORE, MD, 21205; JOHNS HOPKINS UNIV, SCH MED, DEPT NEUROSCI, BALTIMORE, MD, 21205

CYA USA

SO FASEB JOURNAL, (***MAR 1995***) Vol. 9, No. 5, pp. 366-370.

ISSN: 0892-6638.

DT General Review; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 77

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 104 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN

AN 95:221812 SCISEARCH

GA The Genuine Article (R) Number: QP230

TI GENERATION OF AMYLOID-BETA PROTEIN FROM ITS PRECURSOR IS SEQUENCE-SPECIFIC

AU CITRON M (Reprint); TEPLow D B; SELKOE D J

CS HARVARD UNIV, BRIGHAM & WOMENS HOSP, SCH MED, CTR NEUROL DIS, DEPT NEUROL, PROGRAM NEUROSCI, BOSTON, MA, 02115 (Reprint)

CYA USA

SO NEURON, (***MAR 1995***) Vol. 14, No. 3, pp. 661-670.

ISSN: 0896-6273.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 34

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 105 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 95:148989 SCISEARCH

GA The Genuine Article (R) Number: QH688
TI BASOLATERAL SECRETION OF AMYLOID PRECURSOR PROTEIN IN MADIN-DARBY CANINE KIDNEY-CELLS IS DISTURBED BY ALTERATIONS OF INTRACELLULAR PH AND BY INTRODUCING A MUTATION ASSOCIATED WITH FAMILIAL ***ALZHEIMERS*** - ***DISEASE***
AU DESTROOPER B; CRAESSAERTS K; DEWACHTER I; MOECHARS D; GREENBERG B;
VANLEUVEN F (Reprint); VANDENBERGHE H
CS KATHOLIEKE UNIV LEUVEN, CTR HUMAN GENET, DEPT HUMAN GENET, EXPTL GENET GRP, B-3000 LOUVAIN, BELGIUM (Reprint); KATHOLIEKE UNIV LEUVEN, CTR HUMAN GENET, DEPT HUMAN GENET, EXPTL GENET GRP, B-3000 LOUVAIN, BELGIUM; CEPHALON INC, W CHESTER, PA, 19380
CYA BELGIUM; USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***24 FEB 1995***) vol. 270, No. 8, pp. 4058-4065.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 52
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 106 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 95:122625 SCISEARCH
GA The Genuine Article (R) Number: QF535
TI PROTEIN-TYPE SPECIFIC-INHIBITION OF A-BETA RELEASE BY BAIFIOMYCIN A1, A SELECTIVE INHIBITOR OF VACUOLAR ATPASES
AU KNOPS J; SUOMENSAARI S; LEE M; MCCONLOGUE L; SEUBERT P; SINHA S (Reprint)
CS ATHENA NEUROSCI INC, S SAN FRANCISCO, CA, 94080 (Reprint); ATHENA NEUROSCI INC, S SAN FRANCISCO, CA, 94080
CYA USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***10 FEB 1995***) vol. 270, No. 6, pp. 2419-2422.
ISSN: 0021-9258.
DT Note; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 26
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 107 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 95:93527 SCISEARCH
GA The Genuine Article (R) Number: QC813
TI ***ALZHEIMERS*** - ***DISEASE*** AMYLOID PRECURSOR PROTEIN (A-BETA-PP) - PROTEOLYTIC PROCESSING, SECRETASES AND BETA-A4 AMYLOID PRODUCTION
AU EVIN G; BEYREUTHER K; MASTERS C L (Reprint)
CS UNIV MELBOURNE, DEPT PATHOL, PARKVILLE, VIC 3052, AUSTRALIA (Reprint); UNIV MELBOURNE, DEPT PATHOL, PARKVILLE, VIC 3052, AUSTRALIA; MENTAL HLTH RES INST, PARKVILLE, VIC 3052, AUSTRALIA; UNIV HEIDELBERG, CTR MOLEC BIOL, HEIDELBERG, VIC, AUSTRALIA
CYA AUSTRALIA
SO AMYLOID-INTERNATIONAL JOURNAL OF EXPERIMENTAL AND CLINICAL INVESTIGATION, (***DEC 1994***) vol. 1, No. 4, pp. 263-280.
ISSN: 1350-6129.
DT General Review; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 143
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 108 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 94:766561 SCISEARCH
GA The Genuine Article (R) Number: PV510
TI METABOLISM OF THE SWEDISH AMYLOID PRECURSOR PROTEIN VARIANT IN MADIN-DARBY CANINE KIDNEY-CELLS
AU LO A C Y; HAASS C; WAGNER S L; TEPLow D B; SISODIA S S (Reprint)
CS JOHNS HOPKINS UNIV, SCH MED, NEUROPATHOL LAB, 558 ROSS RES BLDG, 720 RUTLAND AVE, BALTIMORE, MD, 21205 (Reprint); JOHNS HOPKINS UNIV, SCH MED, NEUROPATHOL LAB, BALTIMORE, MD, 21205; JOHNS HOPKINS UNIV, SCH MED, DEPT NEUROSCI, BALTIMORE, MD, 21205; JOHNS HOPKINS UNIV, SCH MED, DEPT PATHOL, BALTIMORE, MD, 21205; HARVARD UNIV, SCH MED, DEPT NEUROL, BOSTON, MA, 02115; HARVARD UNIV, SCH MED, DEPT PATHOL, BOSTON, MA, 02115; BRIGHAM & WOMENS HOSP, CTR NEUROL DIS, BOSTON, MA, 02115; IND ASSOCIATES INC, SALK

CY A INST BIOTECHNOL, LA JOLLA, CA, 92037
USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***09 DEC 1994***) Vol. 269, No. 49,
pp. 30966-30973.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 53
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 109 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 94:671154 SCISEARCH
GA The Genuine Article (R) Number: PM044
TI IDENTIFICATION OF THE MULTICATALYTIC ENZYME AS A POSSIBLE GAMMA-SECRETASE
FOR THE AMYLOID PRECURSOR PROTEIN
AU MUNDY D I (Reprint)
CS BAYLOR COLL MED, DEPT NEUROL, HOUSTON, TX, 77030 (Reprint)
CY A USA
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (***14 OCT 1994***
) Vol. 204, No. 1, pp. 333-341.
ISSN: 0006-291X.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 39
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 110 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 94:417434 SCISEARCH
GA The Genuine Article (R) Number: NU882
TI REVERSAL OF THE SWEDISH FAMILIAL ***ALZHEIMERS*** - ***DISEASE***
MUTANT PHENOTYPE IN CULTURED-CELLS TREATED WITH PHORBOL 12,13-DIBUTYRATE
AU FELSENSTEIN K M (Reprint); INGALLS K M; HUNIHAN L W; ROBERTS S B
CS BRISTOL MYERS SQUIBB CO, PHARMACEUT RES INST, DEPT BIOPHYS & MOLEC BIOL,
CNS, 5 RES PKWY, WALLINGFORD, CT, 06492 (Reprint)
CY A USA
SO NEUROSCIENCE LETTERS, (***20 JUN 1994***) Vol. 174, No. 2, pp.
173-176.
ISSN: 0304-3940.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 28
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 111 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 94:391775 SCISEARCH
GA The Genuine Article (R) Number: NU128
TI MUTATIONS ASSOCIATED WITH A LOCUS FOR FAMILIAL ***ALZHEIMERS*** -
DISEASE RESULT IN ALTERNATIVE PROCESSING OF AMYLOID BETA-PROTEIN
PRECURSOR
AU HAASS C; HUNG A Y; SELKOE D J; TEPLow D B (Reprint)
CS BRIGHAM & WOMENS HOSP, CTR NEUROL DIS, 221 LONGWOOD AVE LMRC-114, BOSTON,
MA, 02115 (Reprint); BRIGHAM & WOMENS HOSP, CTR NEUROL DIS, BOSTON, MA,
02115; HARVARD UNIV, SCH MED, DEPT NEUROL, BOSTON, MA, 02115; HARVARD
UNIV, SCH MED, PROGRAM NEUROSCI, BOSTON, MA, 02115
CY A USA
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***01 JUL 1994***) Vol. 269, No. 26,
pp. 17741-17748.
ISSN: 0021-9258.
DT Article; Journal
FS LIFE
LA ENGLISH
REC Reference Count: 49
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 112 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
on STN
AN 94:213004 SCISEARCH
GA The Genuine Article (R) Number: ND985
TI BRAIN MEMBRANE SERINE-PROTEASE ACTIVITY IN HUMAN CORTEX COMPARED WITH RAT
- IMPLICATION FOR ***ALZHEIMERS*** - ***DISEASE***

AU STRATMANN G C; WEBSTER M T; FRANCIS P T (Reprint); PROCTER A W; BOWEN D M
CS INST NEUROL, MIRIAM MARKS DEPT NEUROCHEM, 1 WAKEFIELD ST, LONDON WC1N 1PJ,
ENGLAND (Reprint); INST NEUROL, MIRIAM MARKS DEPT NEUROCHEM, LONDON WC1N
1PJ, ENGLAND; UNITED MED & DENT SCH GUYS & ST THOMAS HOSP, LONDON, ENGLAND
CYA ENGLAND
SO DEMENTIA, (***MAR/APR 1994***) Vol. 5, No. 2, pp. 62-68.
ISSN: 1013-7424.

DT Article; Journal

FS LIFE; CLIN

LA ENGLISH

REC Reference Count: 30

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L4 ANSWER 113 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 94:165257 SCISEARCH

GA The Genuine Article (R) Number: MY966

TI HYDROLYSIS OF AMYLOID PRECURSOR PROTEIN-DERIVED PEPTIDES BY CYSTEINE
PROTEINASES AND EXTRACTS OF RAT-BRAIN CLATHRIN-COATED VESICLES

AU MARKS N (Reprint); BERG M J; CHI L M; CHOI J; DURRIE R; SWISTOK J;

CS MAKOFSKY R C; DANHO W; SAPIRSTEIN V S

NSKI, BLDG 39, 140 OLD ORANGEBURG RD, ORANGEBURG, NY, 10962 (Reprint);
NATHAN S KLINE INST PSYCHIAT RES, DIV NEUROCHEM, ORANGEBURG, NY, 10962;
NATHAN S KLINE INST PSYCHIAT RES, DIV NEUROBIOL, ORANGEBURG, NY, 10962;
NYU, SCH MED, DEPT PSYCHIAT, NEW YORK, NY, 00000; ROCHE RES CTR, NUTLEY,
NJ, 00000

CYA USA

SO PEPTIDES, (***JAN 1994***) Vol. 15, No. 1, pp. 175-182.

ISSN: 0196-9781.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 50

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L4 ANSWER 114 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 93:657223 SCISEARCH

GA The Genuine Article (R) Number: MD350

TI CHARACTERIZATION OF BETA-AMYLOID PEPTIDE FROM HUMAN CEREBROSPINAL-FLUID

AU VIGOPELFREY C (Reprint); LEE D; KEIM P; LIEBERBURG I; SCHENK D B

CS ATHENA NEUROSCI INC, 800F GATEWAY BLVD, S SAN FRANCISCO, CA, 94080
(Reprint)

CYA USA

SO JOURNAL OF NEUROCHEMISTRY, (***NOV 1993***) Vol. 61, No. 5, pp.
1965-1968.

ISSN: 0022-3042.

DT Note; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 30

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 115 OF 116 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation.
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AN 93:481994 SCISEARCH

GA The Genuine Article (R) Number: LQ336

TI ENZYMATIC GENERATION OF THE AMINO-TERMINUS OF THE BETA-AMYLOID PEPTIDE

AU SAHASRABUDHE S R; BROWN A M; HULMES J D; JACOBSEN J S; VITEK M P; BLUME A
J; SONNENBERG J L (Reprint)

CS AMER CYANAMID CO, LEDERLE LABS, CENT NERVOUS SYST BIOL RES DEPT, 200-3610,
PEARL RIVER, NY, 10965; AMER CYANAMID CO, LEDERLE LABS, DEPT PROT CHEM,
DIV MED RES, PEARL RIVER, NY, 10965

CYA USA

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (***05 AUG 1993***) Vol. 268, No. 22,
pp. 16699-16705.

ISSN: 0021-9258.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 33

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4 ANSWER 116 OF 116 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

AN 2000-476049 [41] WPIDS

DNC C2000-142784

TI A cDNA construct that encodes beta-amyloid precursor protein for identifying compounds which inhibit A-beta peptide release and/or synthesis comprises an epitope tag within the A-beta sequence.
DC B04 D16
IN MITCHELL, T J; SEIFFERT, D A
PA (DUPO) DU PONT PHARM CO; (MITC-I) MITCHELL T J; (SEIF-I) SEIFFERT D A;
(BRIM) BRISTOL-MYERS SQUIBB CO; (DUPO) DUPONT PHARM CO
CYC 44
PI WO 2000042166 A2 20000720 (200041)* EN 42 C12N000-00 <--
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
W: AU BR CA CN CZ EE HU IL IN JP KR LT LV MX NO NZ PL RO SG SI SK TR
UA VN ZA
AU 2000034711 A 20000801 (200054) C12N000-00 <--
US 6518011 B1 20030211 (200314) C07K001-00
US 2003091983 A1 20030515 (200335) C12Q001-00
ADT WO 2000042166 A2 WO 2000-US872 20000113; AU 2000034711 A AU 2000-34711
20000113; US 6518011 B1 Provisional US 1999-115749P 19990113, US
2000-481980 20000112; US 2003091983 A1 Provisional US 1999-115749P
19990113, Div ex US 2000-481980 20000112, US 2002-326049 20021220
FDT AU 2000034711 A Based on WO 2000042166; US 2003091983 A1 Div ex US 6518011
PRAI US 1999-115749P 19990113; US 2000-481980 20000112;
US 2002-326049 20021220
IC ICM C07K001-00; C12N000-00; C12Q001-00
ICS C07K014-00; C12N015-00; G01N033-567
STN INTERNATIONAL LOGOFF AT 17:44:50 ON 06 JAN 2005